武經總要

七

詳校官中書臣閔思毅

編修臣倉聖脈覆勘

欽定四庫全書

武經總要前集卷十二

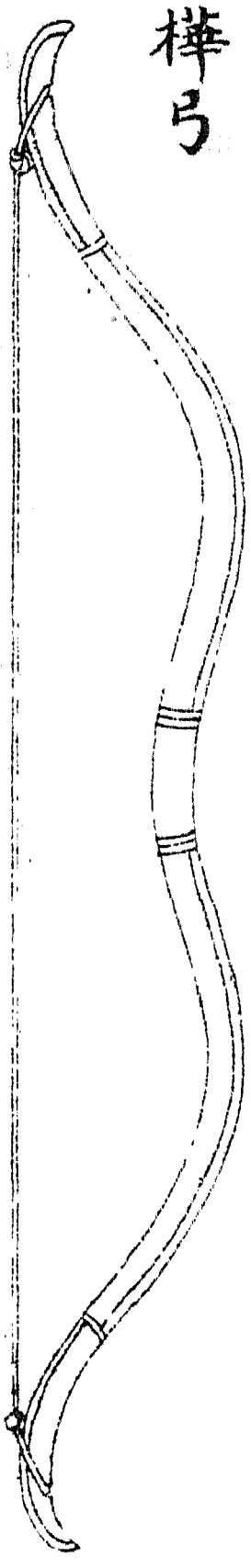
宋 曾公亮等撰

器圖

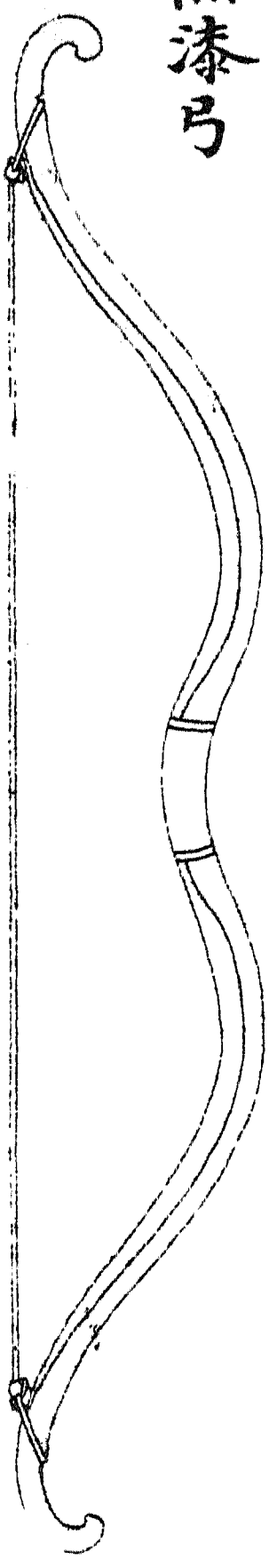
古稱工欲善其事必先利其器蓋士卒猶工也兵械猶器也器利而工善兵精而士彊勢則然矣故曰兵不精利與空手同甲不堅密與袒裼同弩不及遠與短兵同射不能中與無矢同中不能入與無鏃同鬬而不勇與

無守同其法五不當一然則五兵者三軍所以恃而為勇也可不謹乎歷代異宜形制有異今但取當世兵械繪出其形以紀新制云

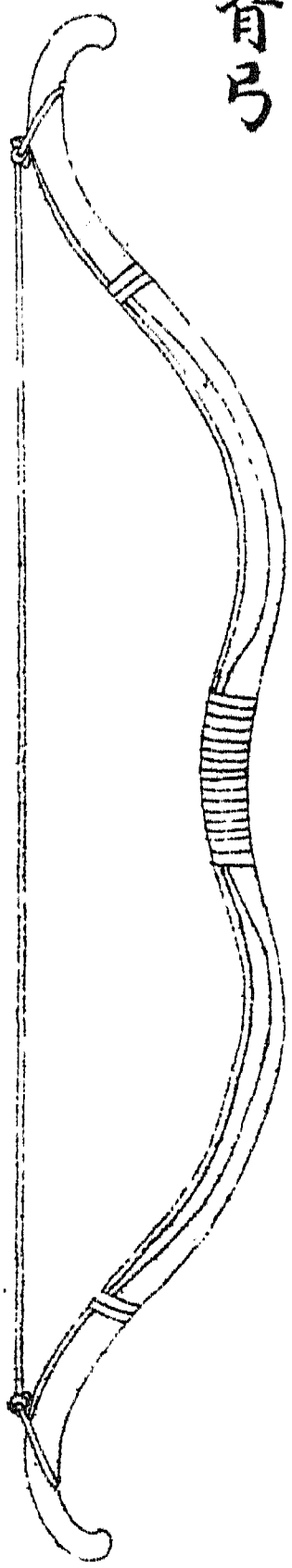
黃樺弓



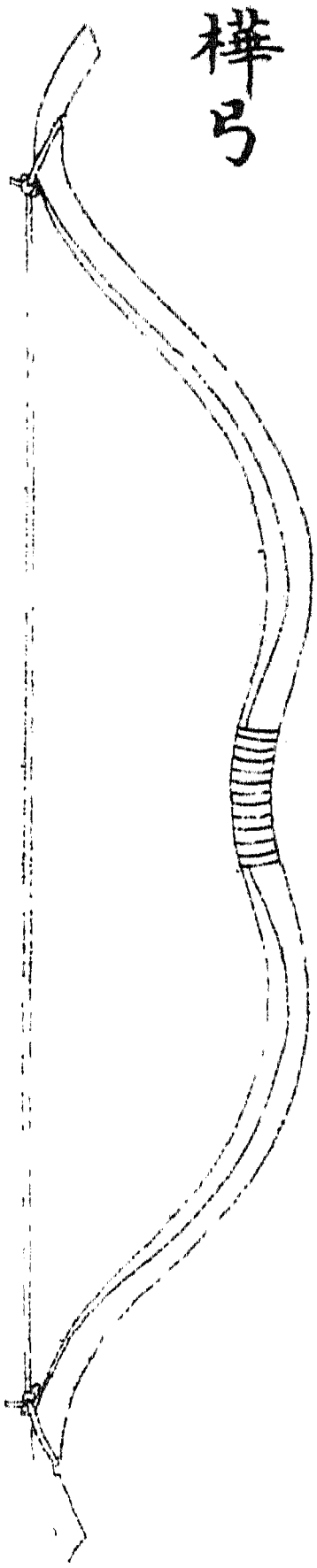
黑漆弓



麻背弓



白樺弓

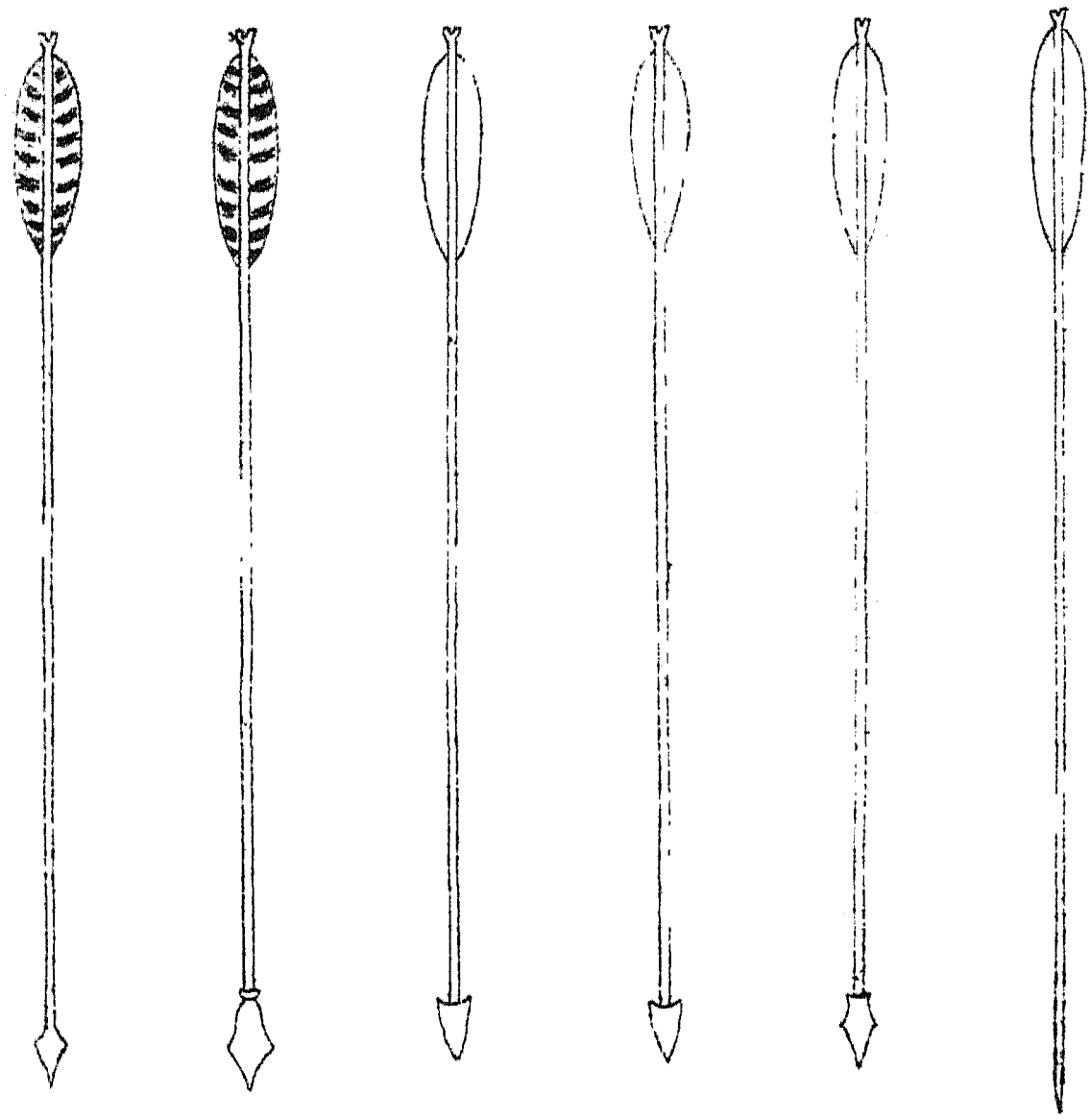


點鋼箭

木撲頭箭

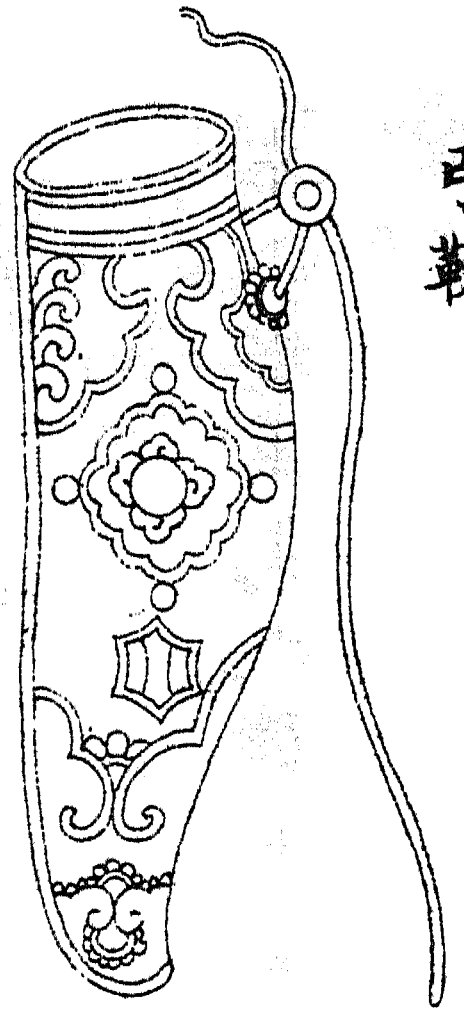
火箭

鳴鶻箭



右其飾有黑漆黃白樺麻背之別其彊弱以石斗為等箭有點鋼木撲頭施於教閱鳴鏑戲者又有火箭施火藥於箭首弓弩通用之其傳藥輕重以弓力為準

弓弩

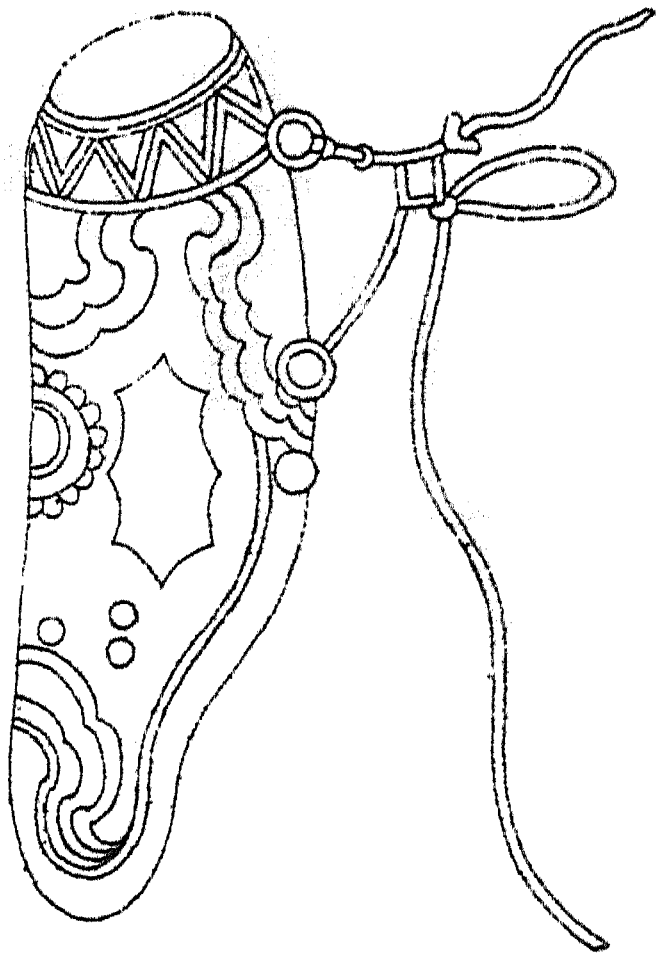


弓箭韜盧

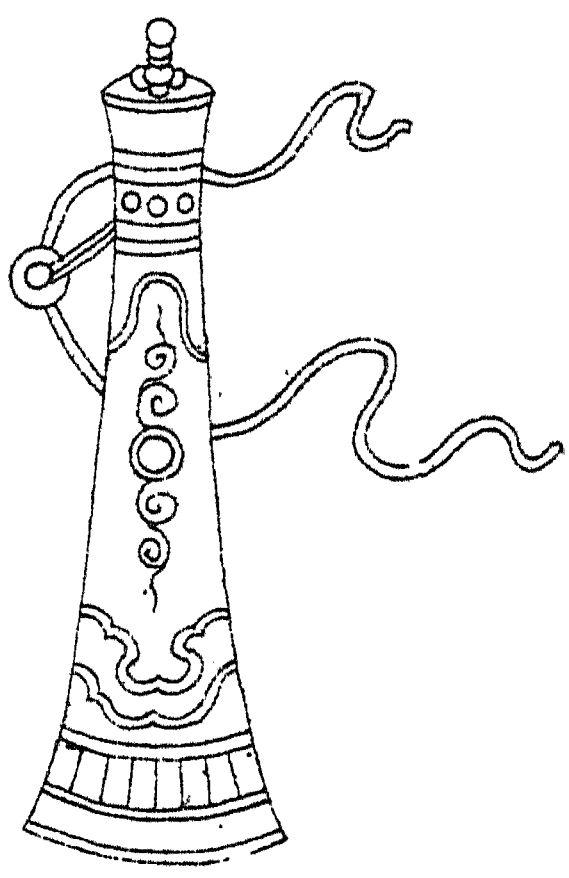
弩箭韜盧

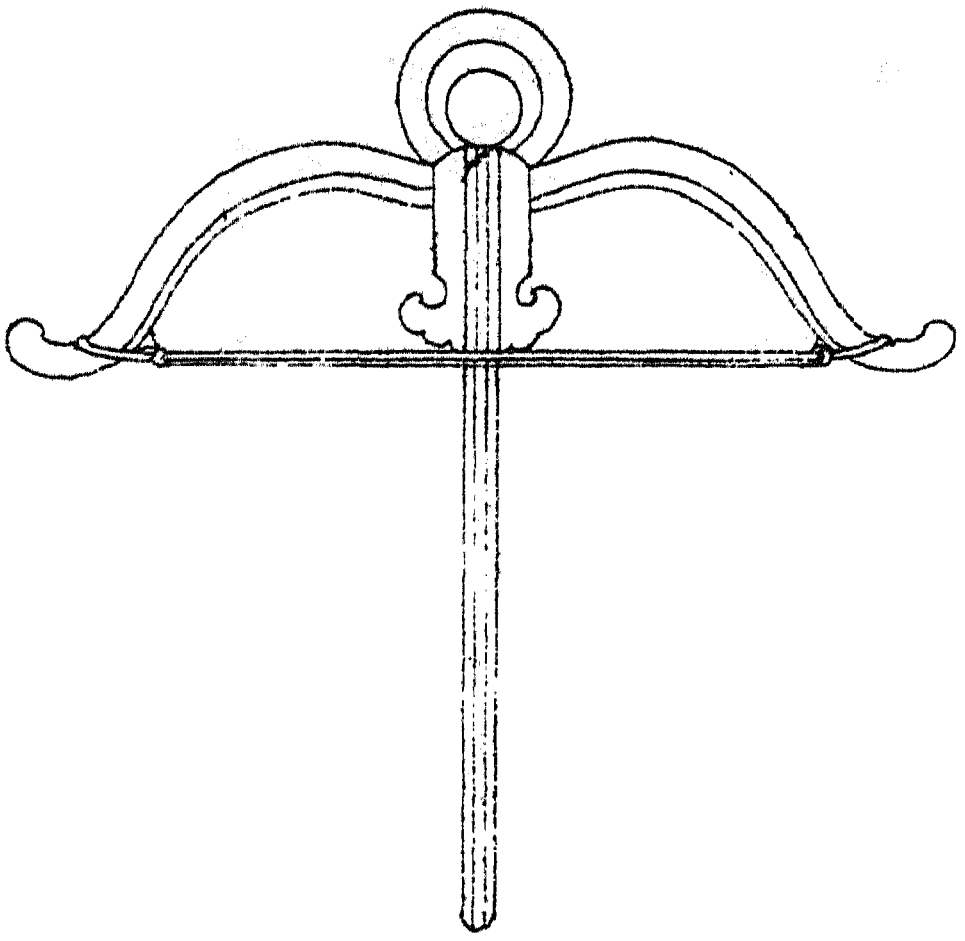
右以皮革為之隨弓弩及箭大小長短用之

弓袋

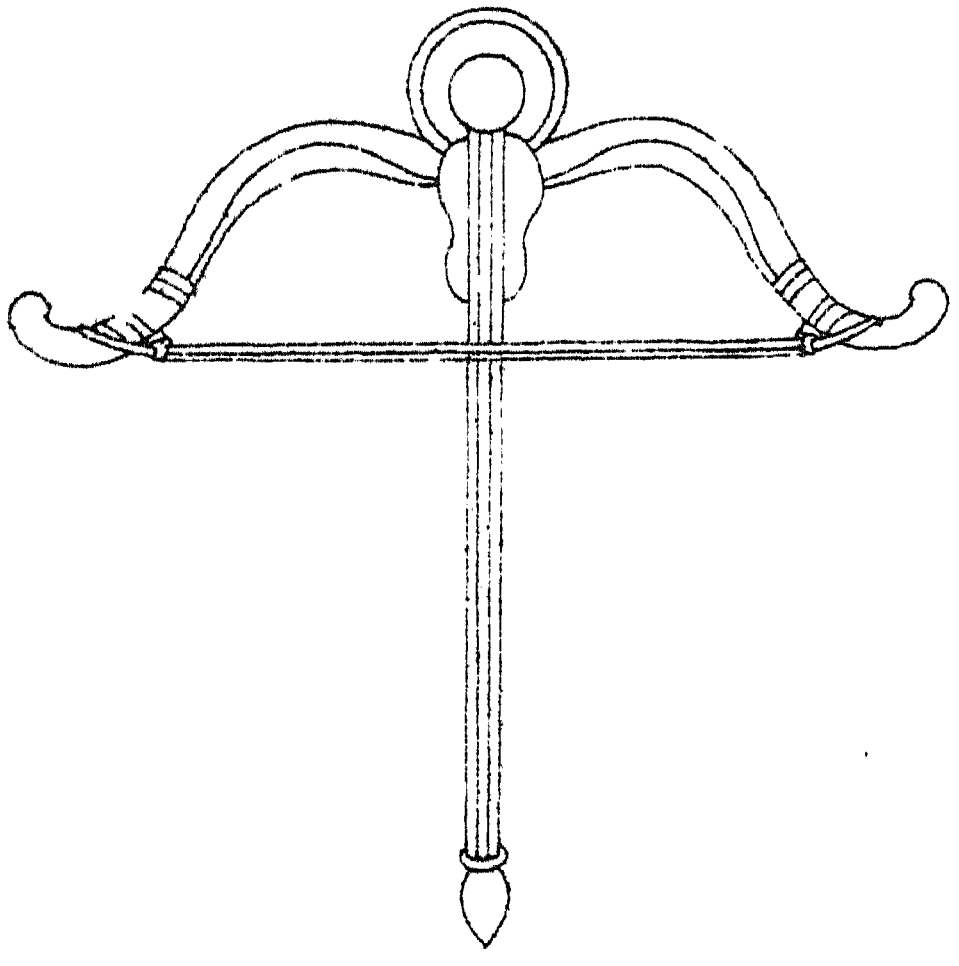


箭箙

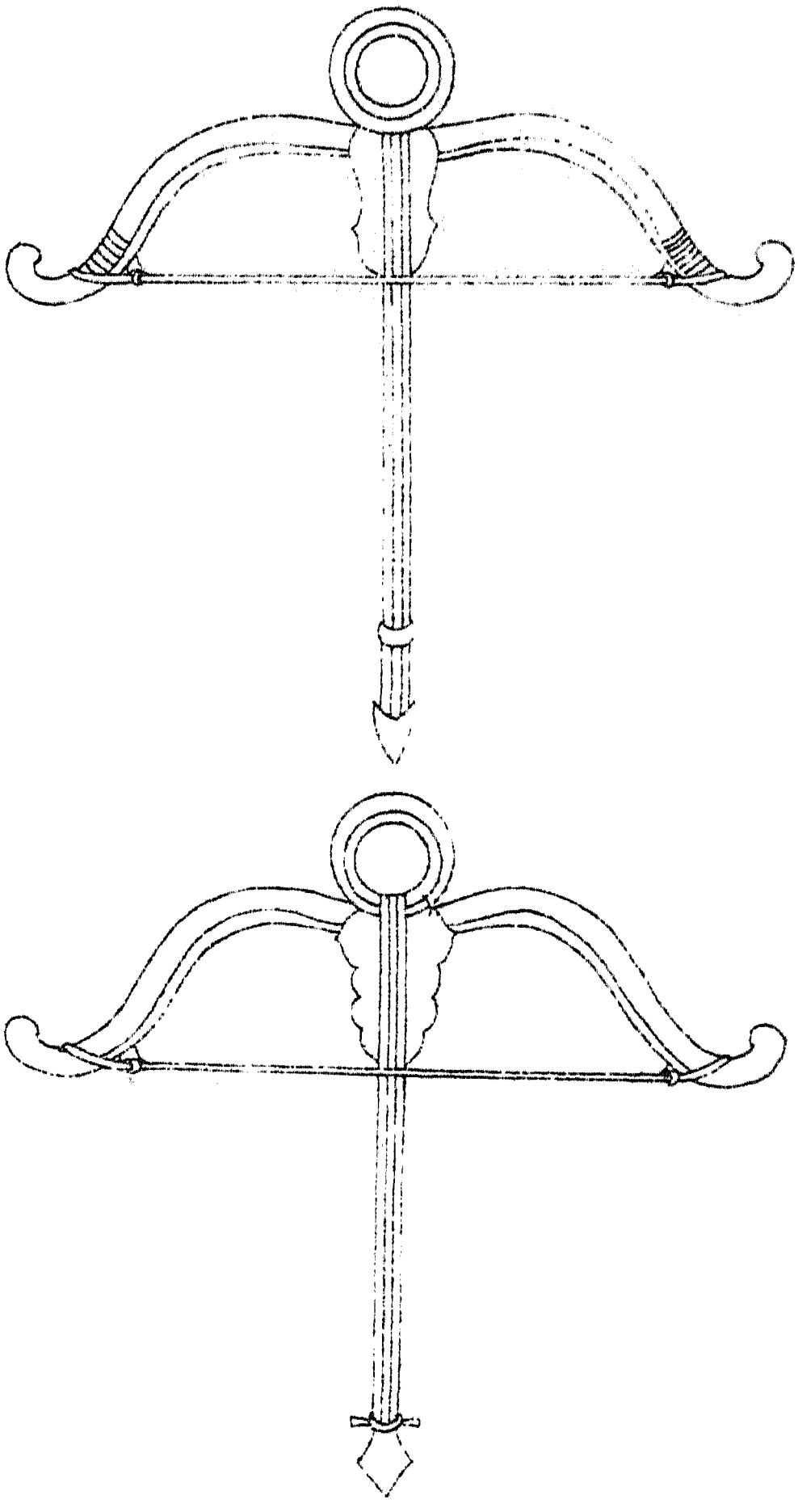




黑漆弓



雌黃樺稍弓

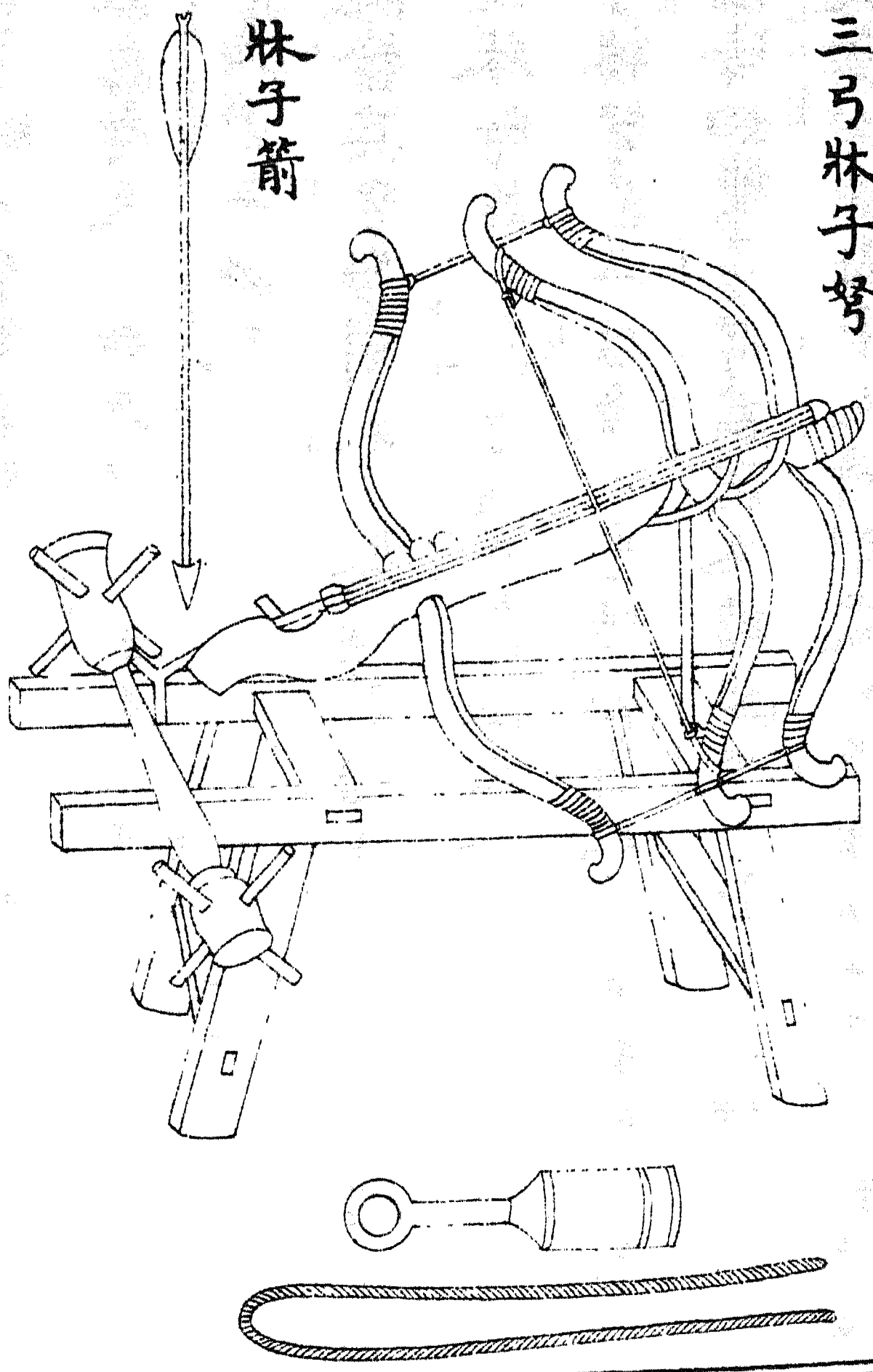


黃樺弩

白樺弩

三弓牀子弩

牀子箭

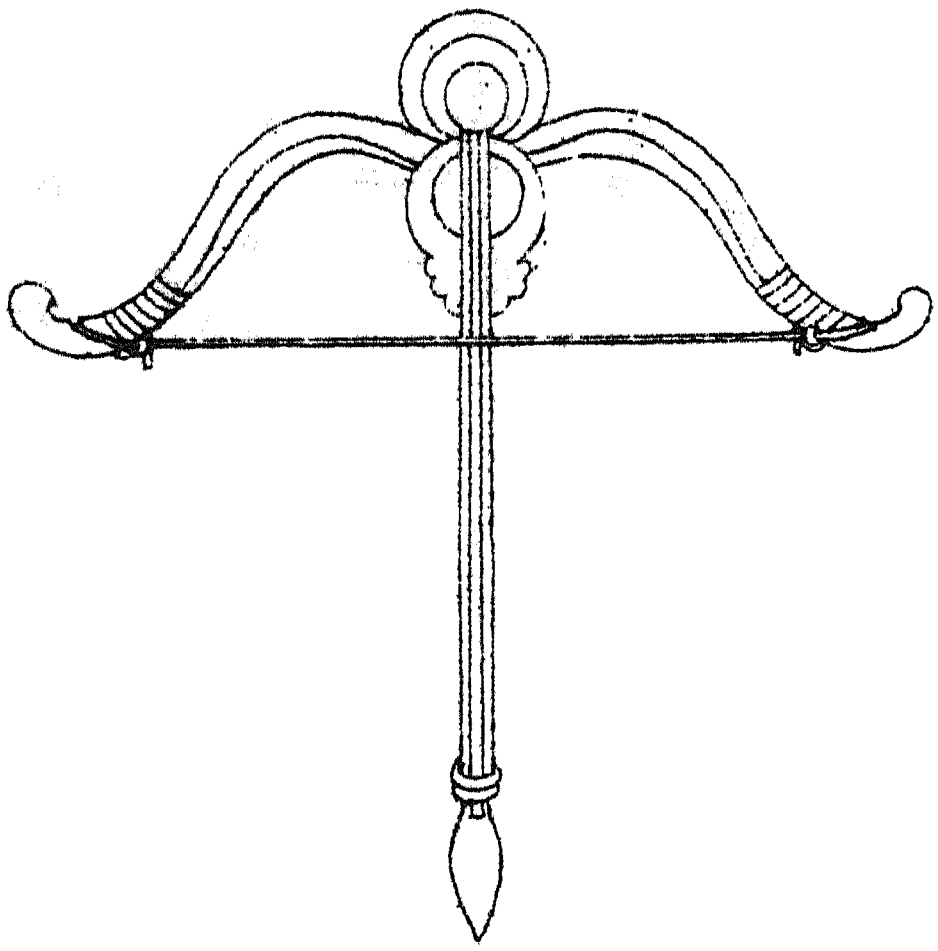


右雙弓牀弩前後各施一弓以繩軸絞張之下施牀承弩其名有大小合蟬有手射合蟬者謂如兩蟬之狀大者張時用十許人次者五七人一工準所射高下一人以槌發其牙箭用大小鑿頭箭惟手射牀子弩最小數人就牀張訖一人手發之射並及一百二十大步

三弓牀弩前二弓後一弓世亦名八牛弩張時凡百許人法皆如雙弓弩箭用木榦鐵翎世謂之一槍三劍箭其次者用五七十人箭則或鉄或翎次三弓並利攻城

故人謂其箭為踏橛箭者以其射著城土人可踏而登之也又有繫鉄斗於弦上斗中著常箭數十隻凡一發可中數十人世謂之斗子箭亦云寒鴉箭言矢之紛散如鴉飛也三弩並射及三百大步其箭皆可施火藥用之輕重以弩力為準

跳鐙弩

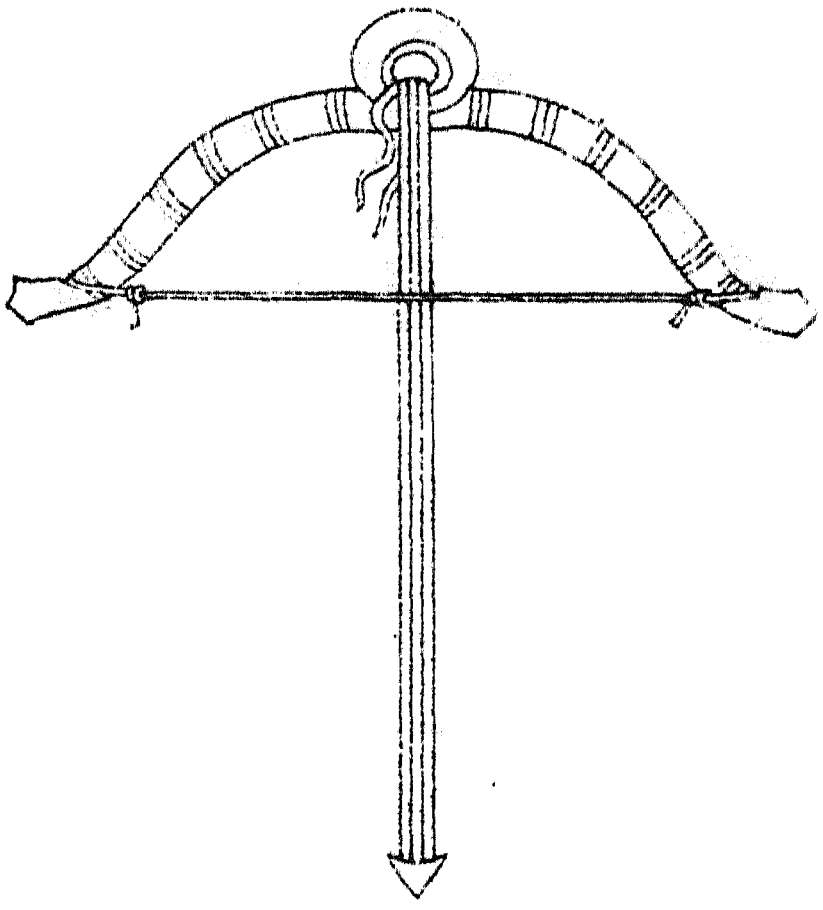


三停箭

木羽箭

點鋼箭

木弩



風羽箭

撲頭箭

古人自踏張者其飾有黑漆黃白樺雌黃樺稍小則有跳鐙弩木弩跳鐙亦曰小黃其用尤利木弩雖可施不能久邊兵不甚用其力之彊弱皆以石斗為等箭有點鋼木羽木撲頭三停木羽者以木為榦羽咸平初軍校石歸宋上之箭中人雖榦去鏃留牢不可拔戎人最畏之風羽者謂當安羽處則空兩邊以容風氣則射時不掉此不常用備翎羽之乏耳三停者箭形至短羽榦鏃三停故三停

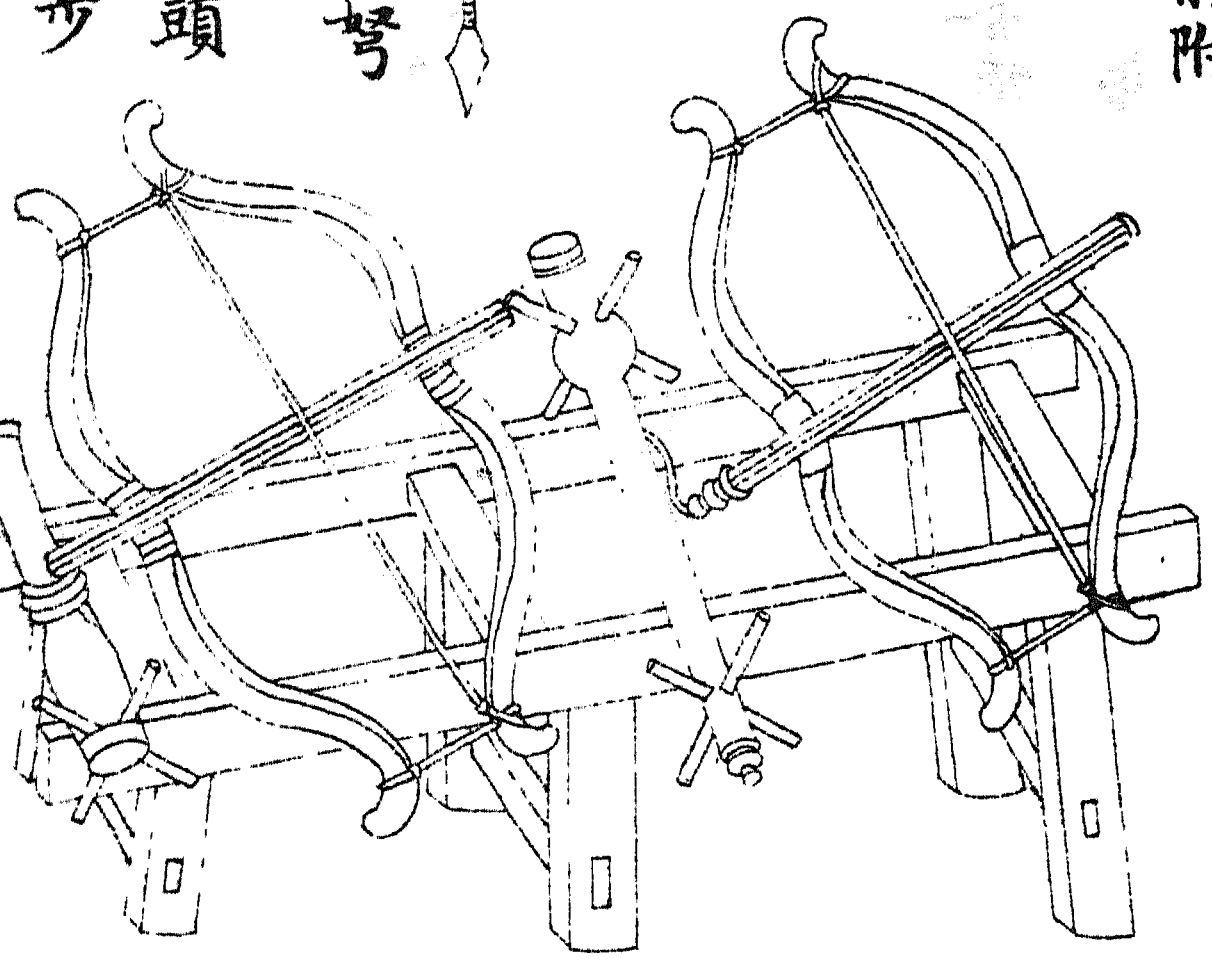
箭中物而不能出以短故也

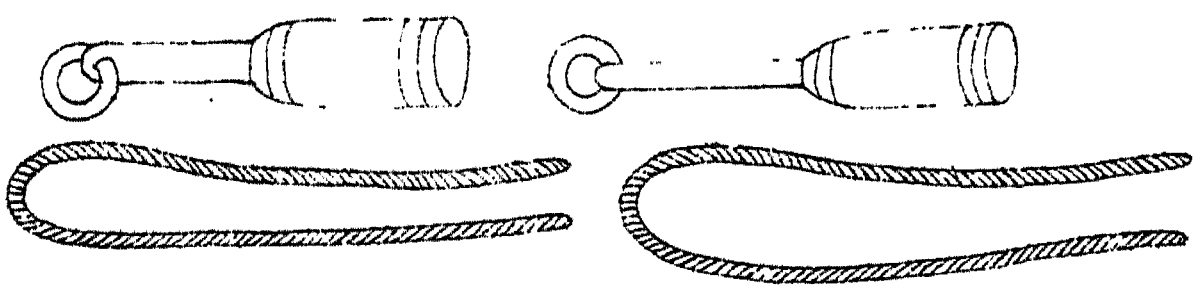
雙弓牀弩四色箭附

鐵羽大鏨頭箭

大合蟬弩

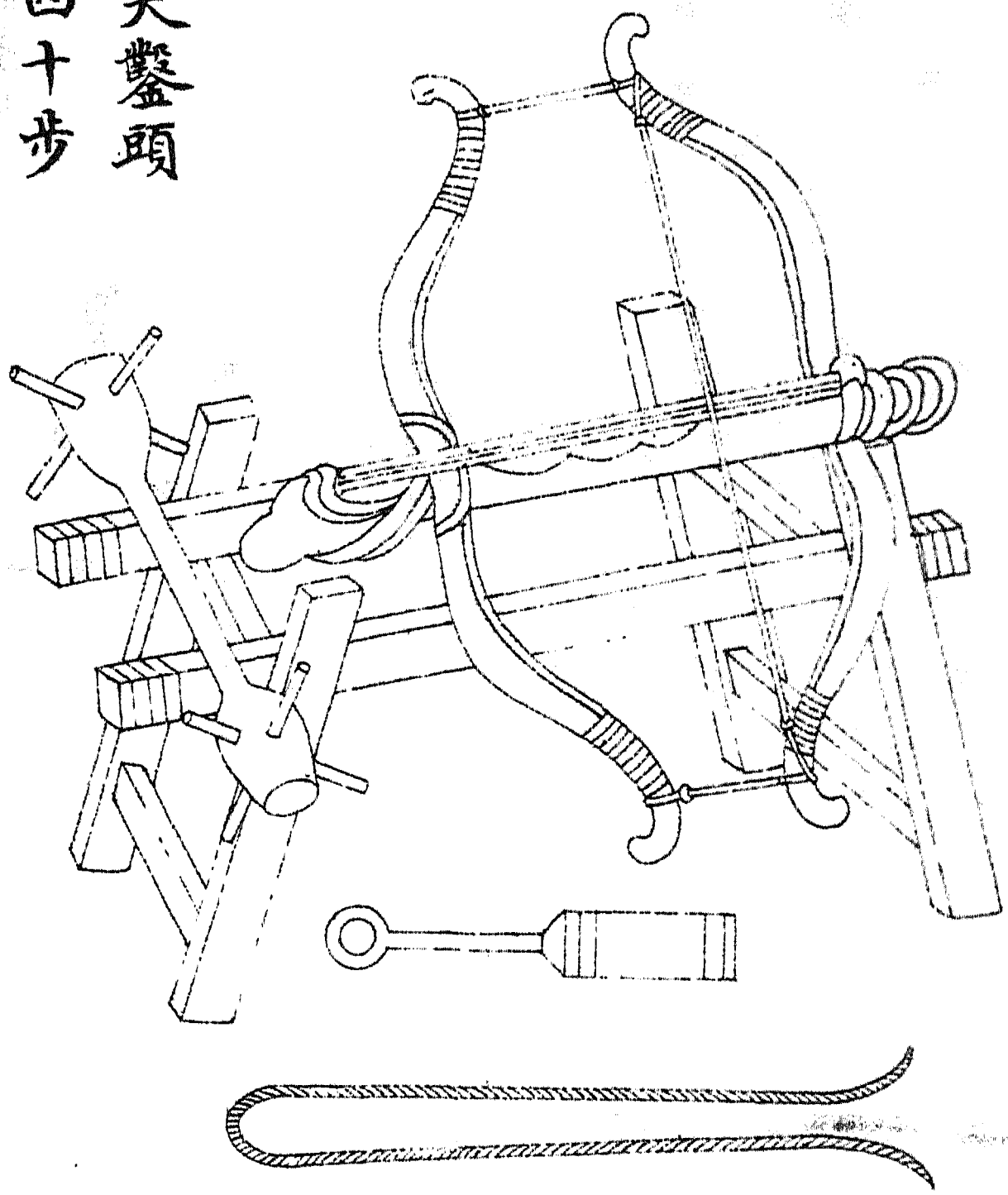
以七人張發大鏨頭箭射及一百五十步

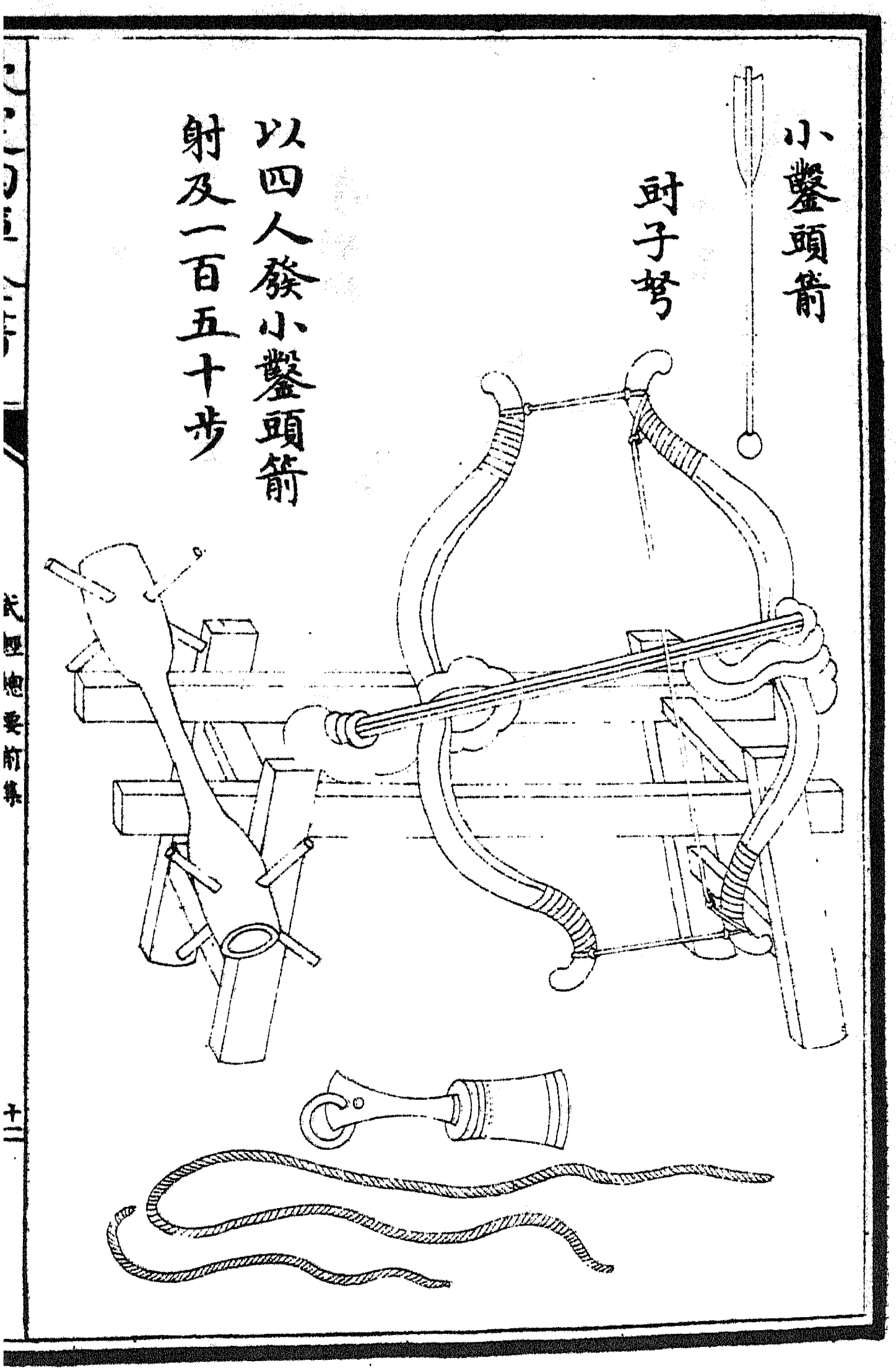




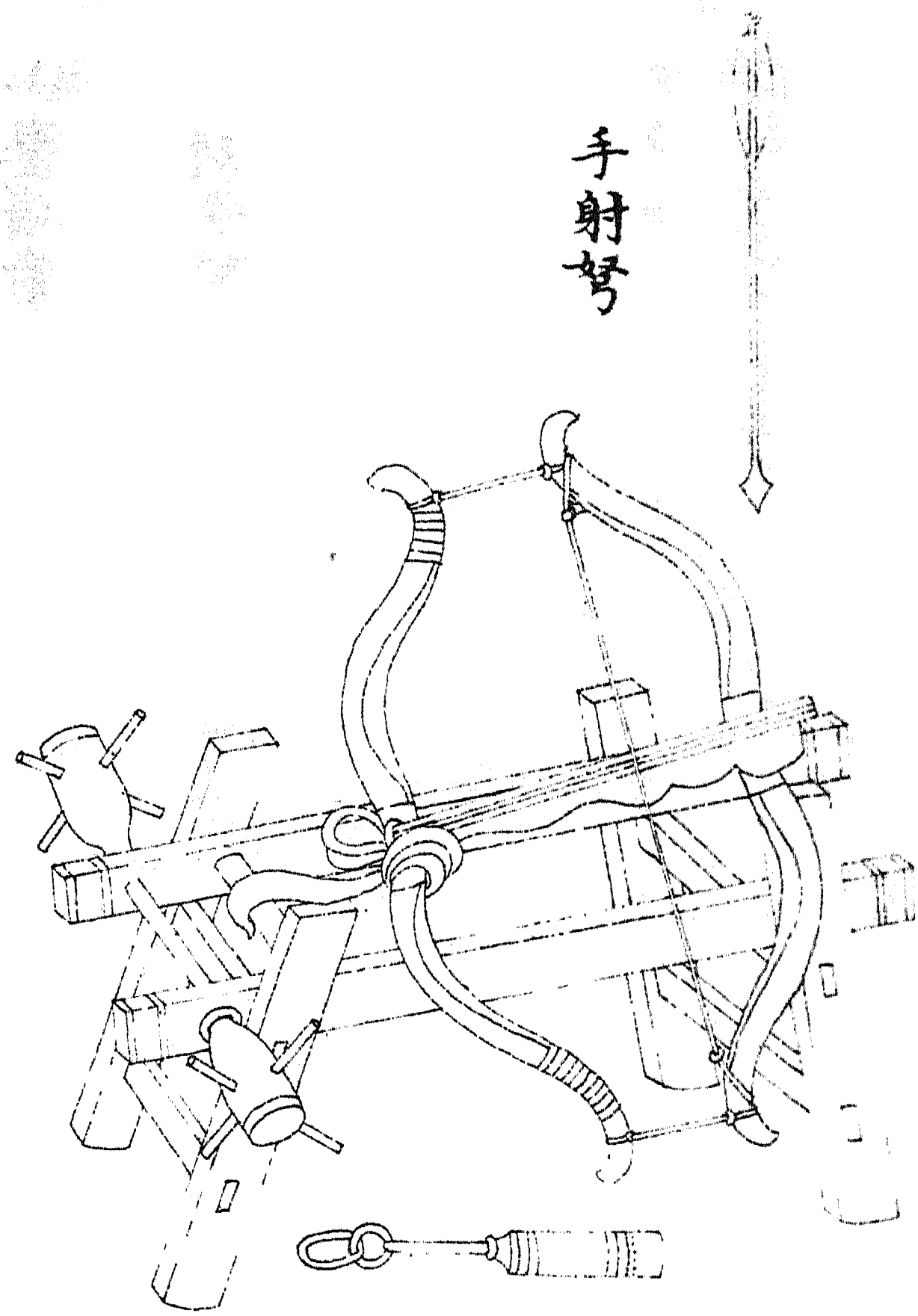
小合蟬弩

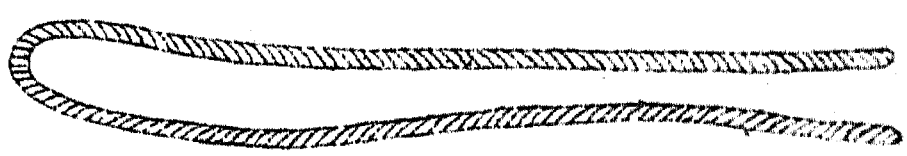
以七人張發大鑿頭
箭射及一百四十步




小鑿頭箭
尌子弩
以四人發小鑿頭箭
射及一百五十步

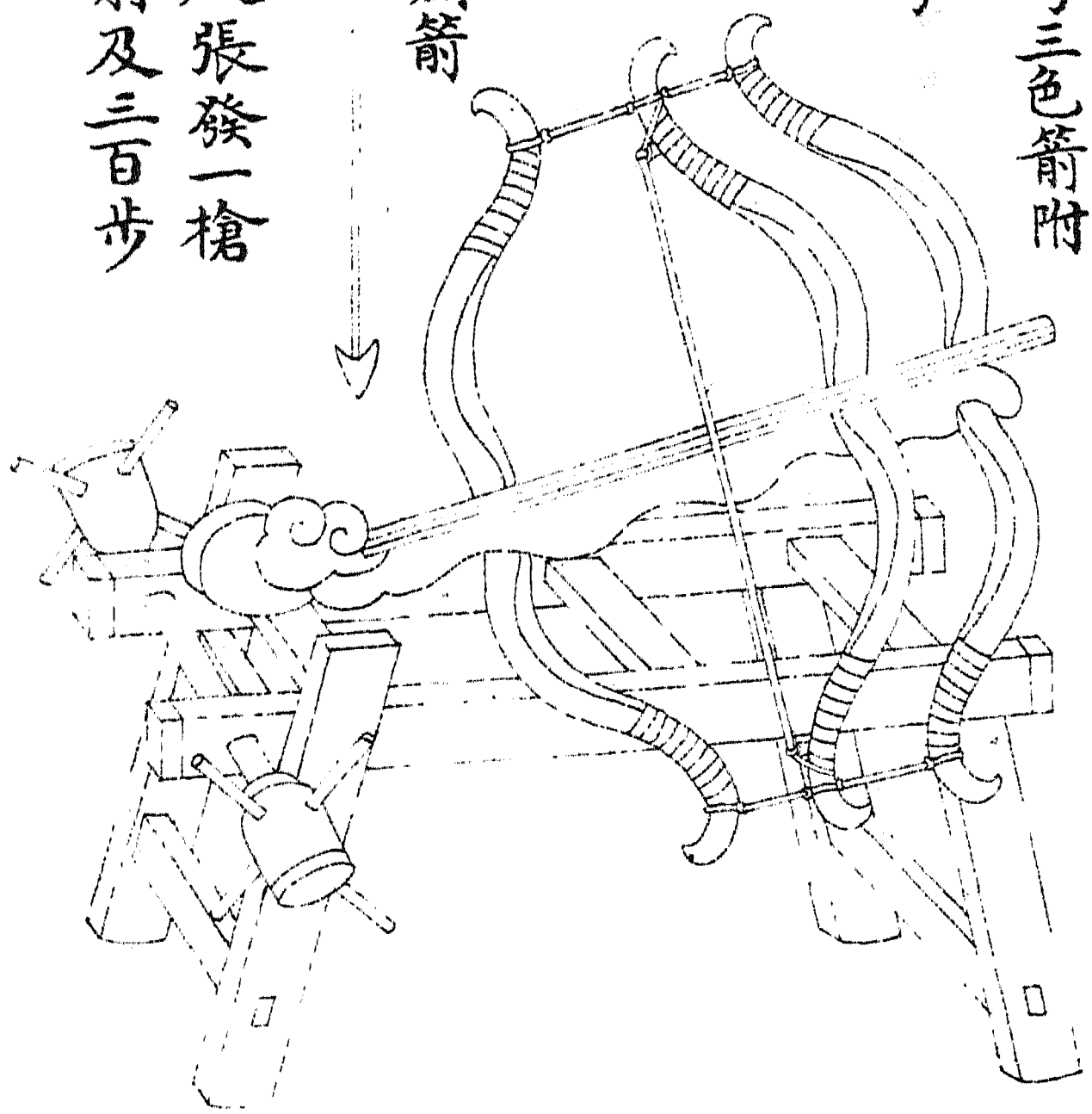
手射弩





三弓牀弩三色箭附

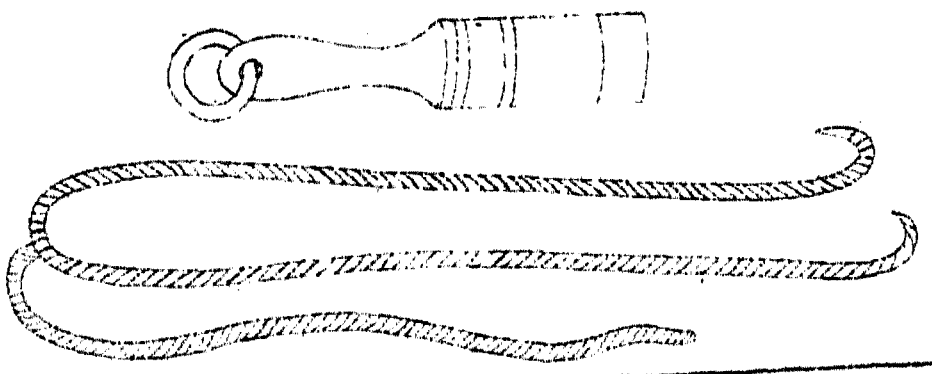
三弓弩



一槍三劍箭

以七十人張發一槍

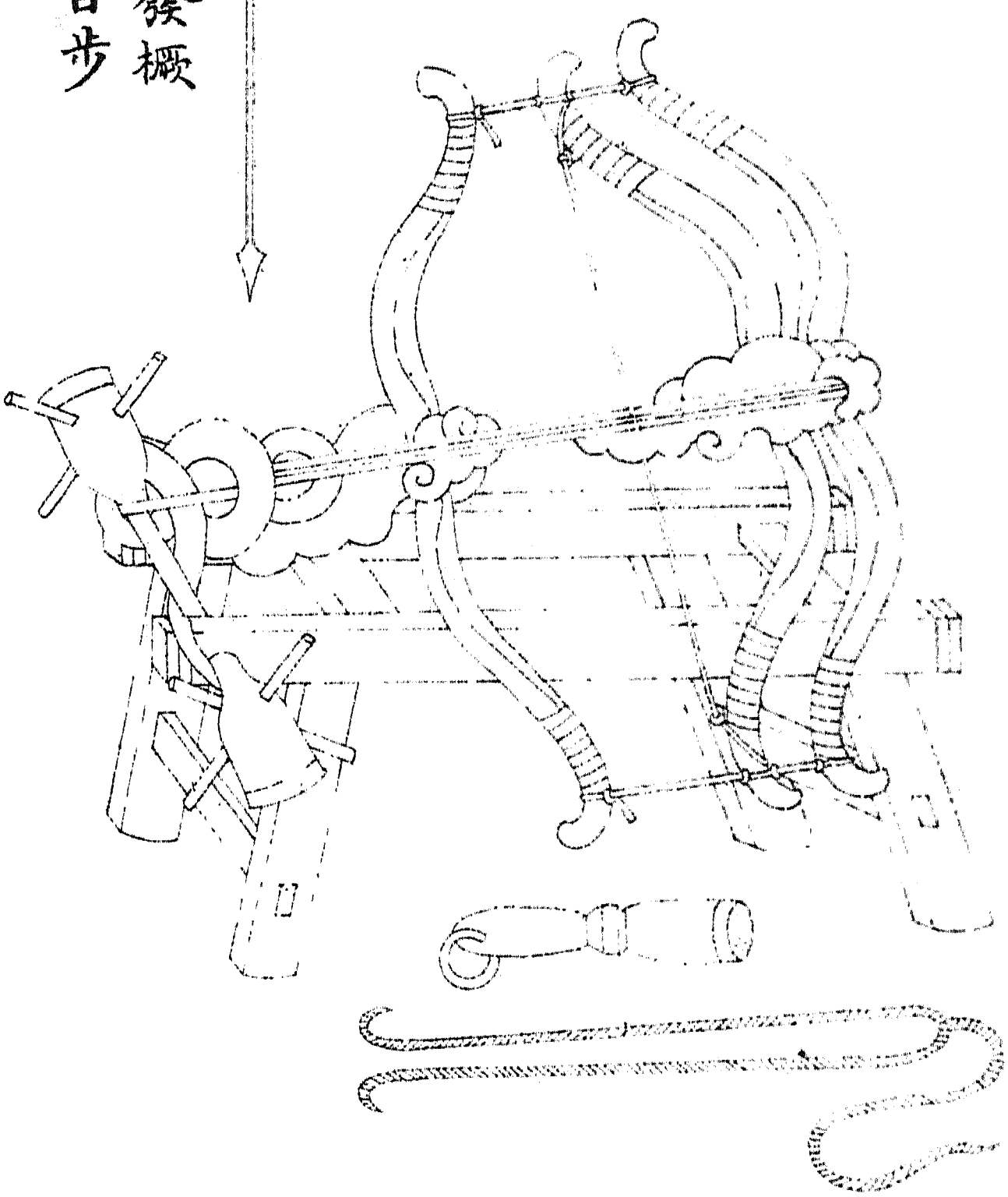
三劍箭射及三百步

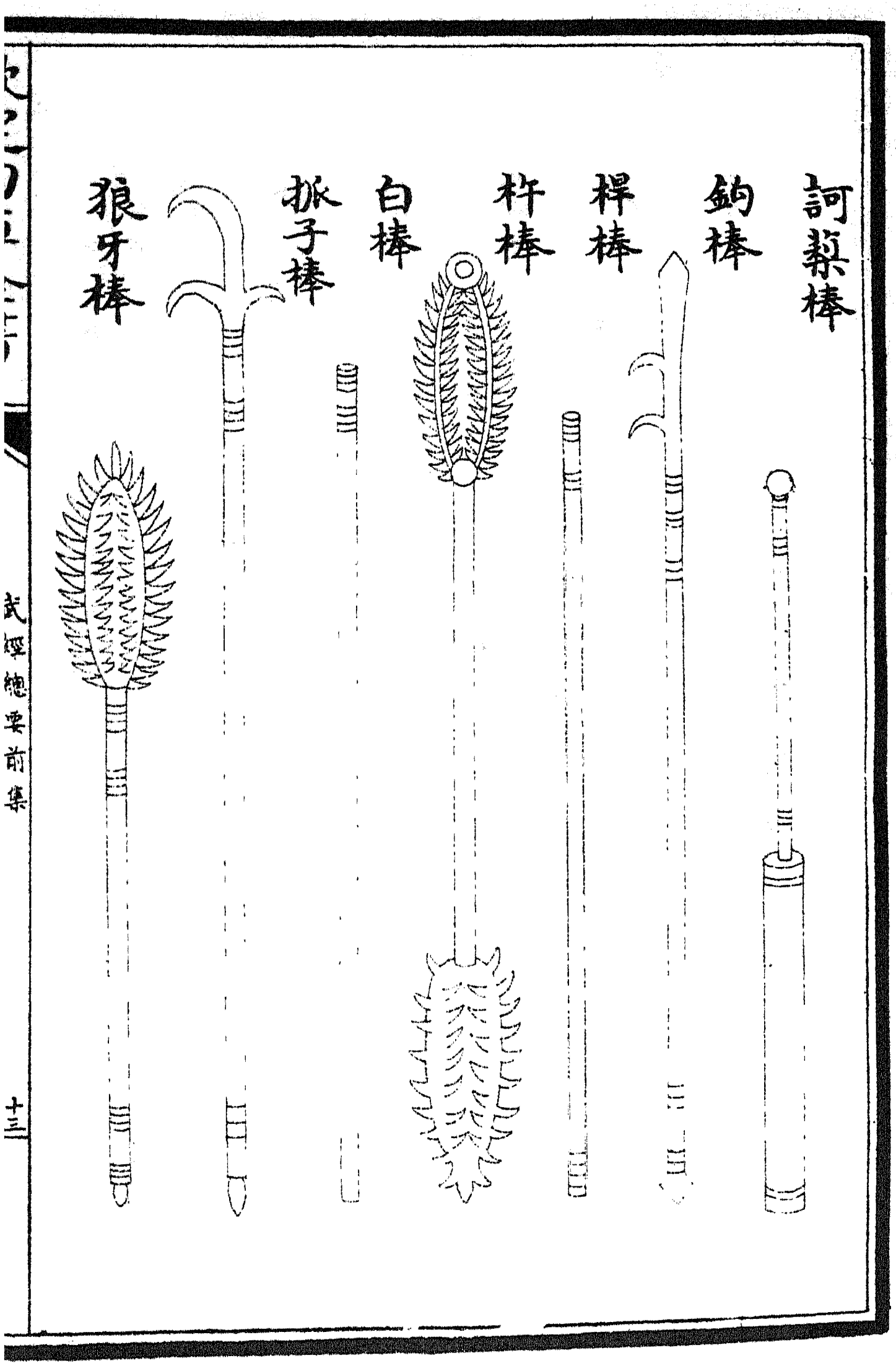


跳橛箭

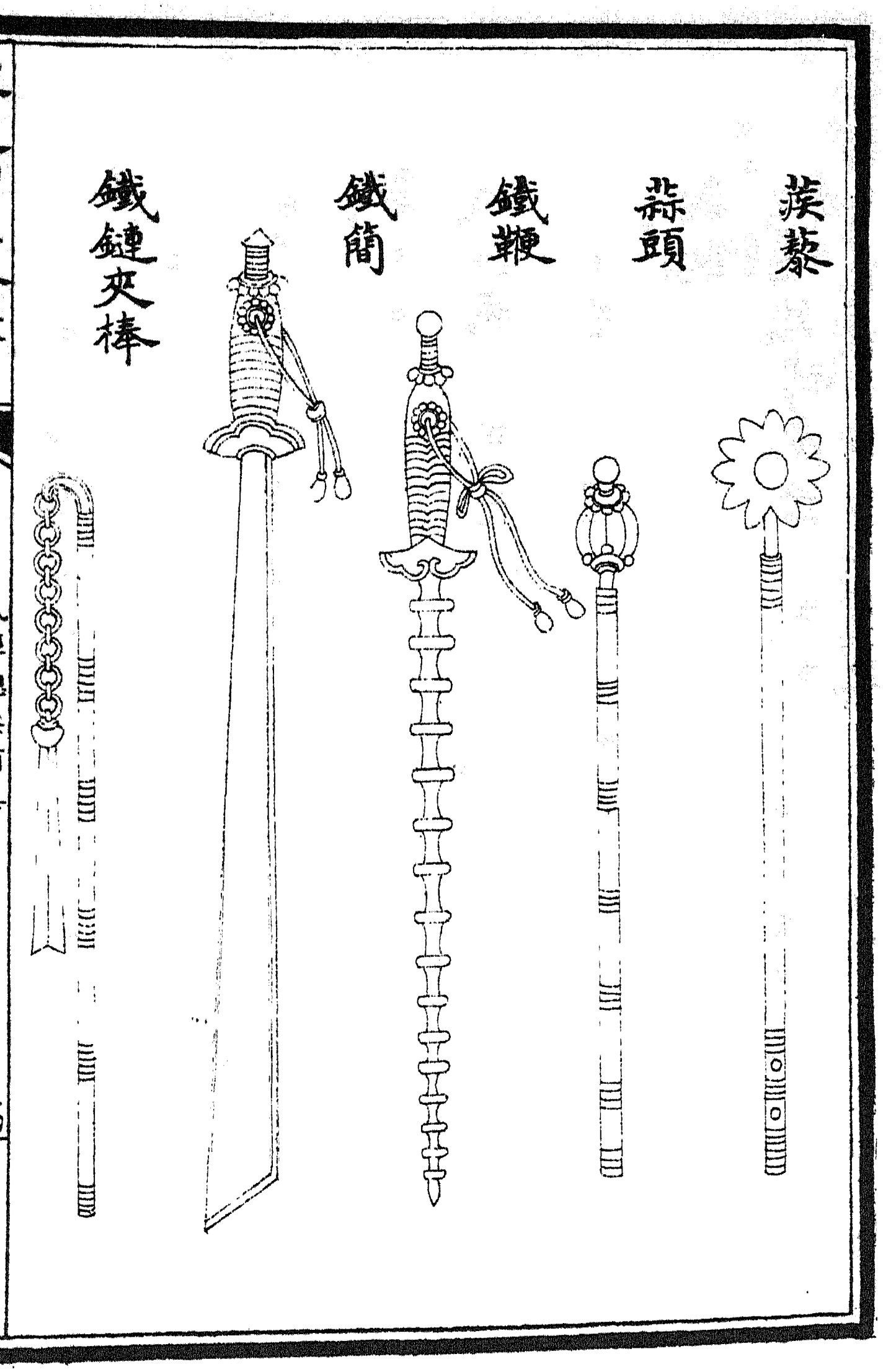
三次弓弩

以十人張發橛箭射及二百步




訶棃棒
鉤棒
桿棒
杵棒
白棒
抓子棒
狼牙棒

右取堅重木為之長四五尺異名有四曰棒曰棆曰杵曰桿有以鐵裹其上者人謂訶蔾棒近邊臣於棒首鏇鋺刃不作倒雙鉤謂之鉤棒無刃而鉤者亦曰鐵柧植釘於上如狼牙者曰狼牙棒本末均大者為杵長細而堅重者為桿亦有施兩鐏者大抵皆棒之一種

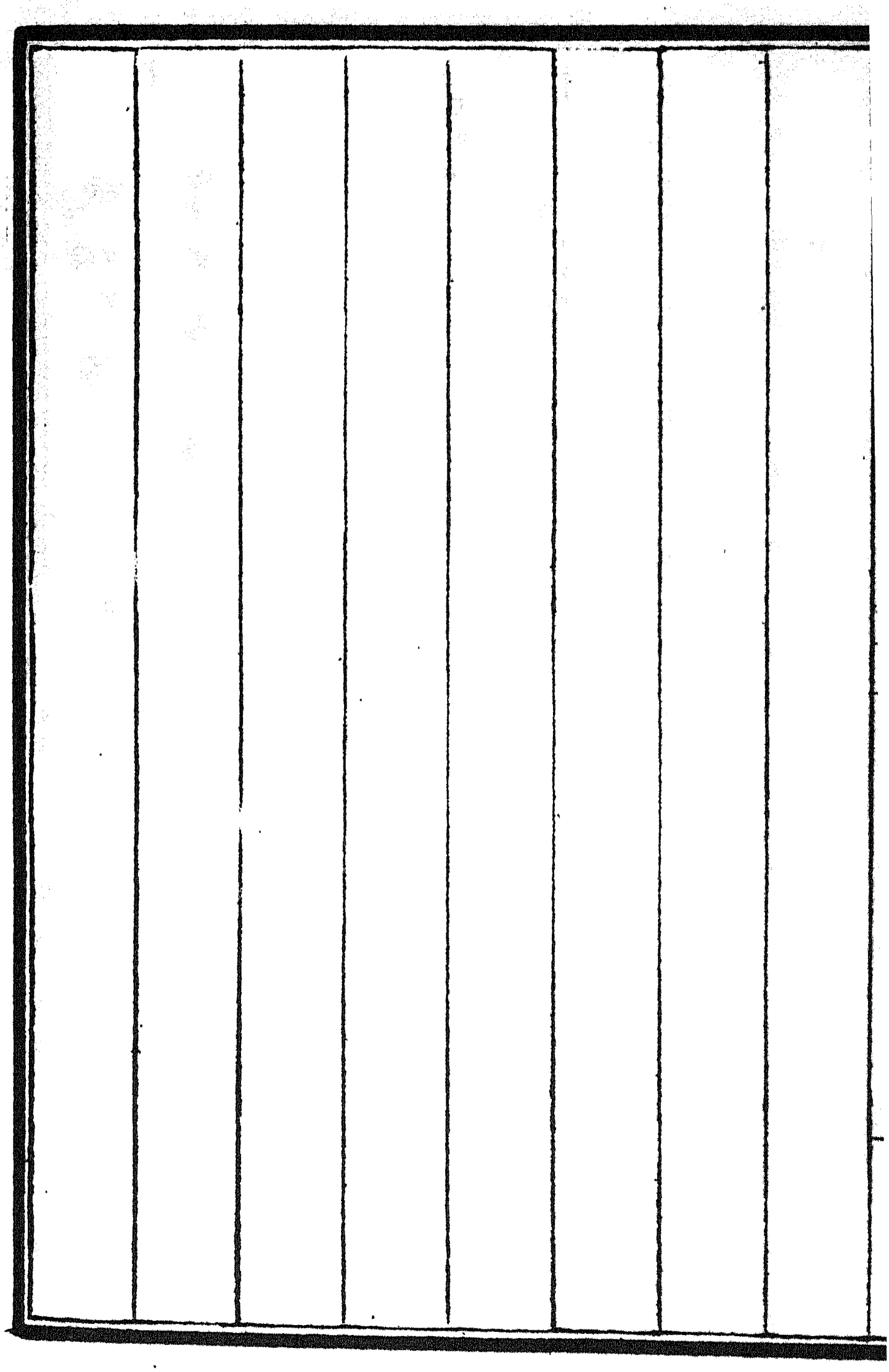

蒺藜
蒜頭
鐵鞭
鐵簡
鐵鏈夾棒

右蒺藜蒜頭骨朶二色以鐵若木為大首跡其意本為脈肫大腹也謂其形如脈而大後人語訛以脈為骨以肫為朶其首形制不常或如蒺藜或如蒜首俗以隨宜呼之短柄鐵鏈皆骨朶類特形製小異爾

鐵鞭鐵簡兩色鞭其形大小長短隨人力所勝用之又有作四稜者謂之鐵簡言方稜似簡形皆鞭類也

鐵鏈夾棒本出西戎馬上用之以敵漢之步兵其

狀如農家打麥之耞以鐵飾之利於自上擊下故
漢兵善用者巧於戎人

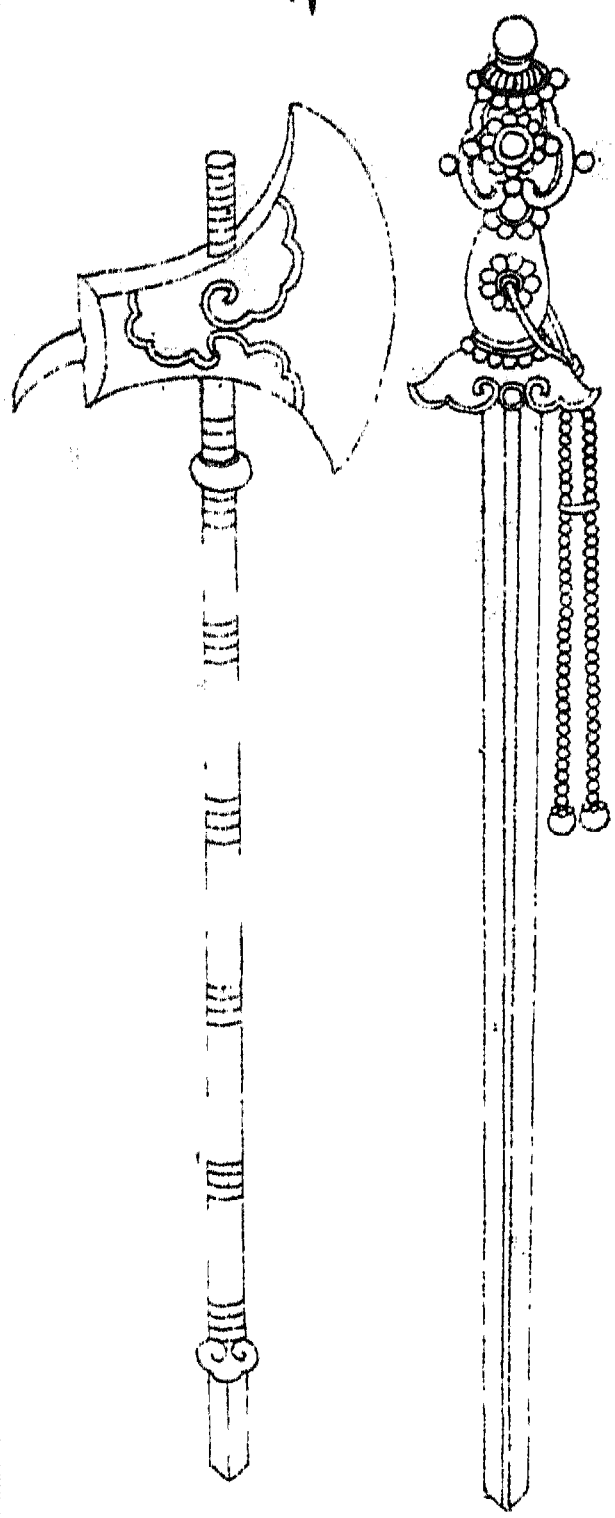


搗馬突槍

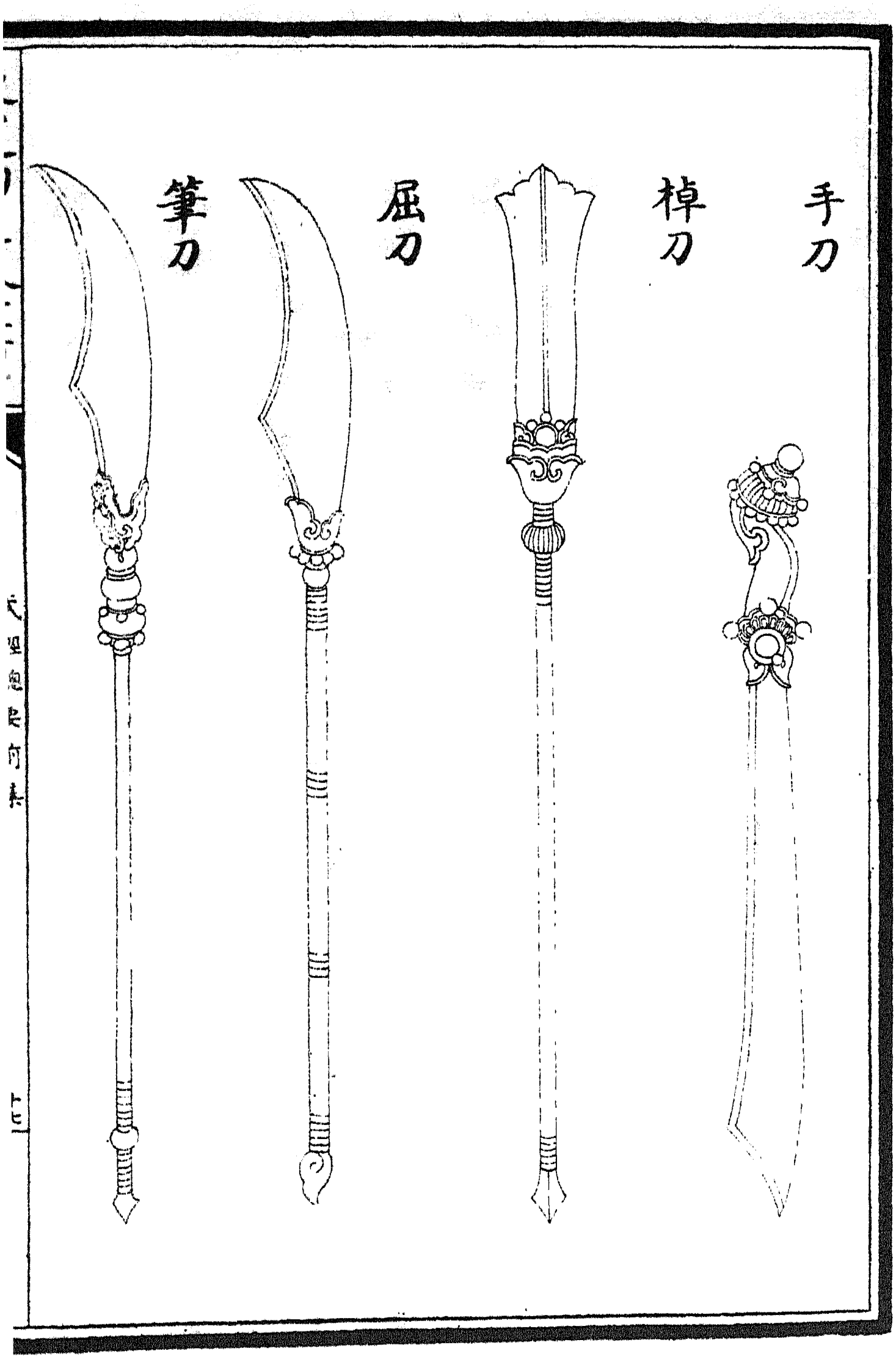
劍

劍

大斧



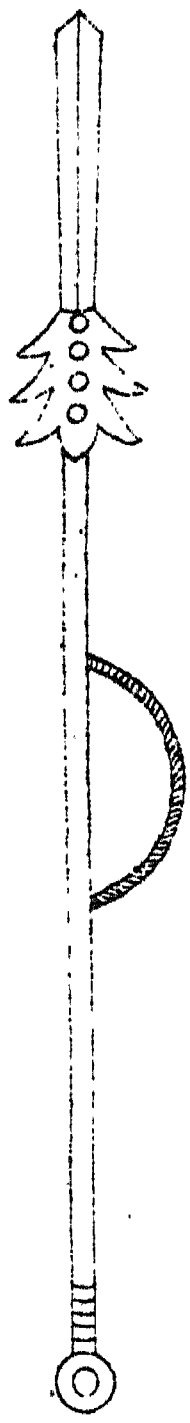
右搗馬突槍其狀如槍而刃首微濶
劍飾有銀鍮石銅素之品近邊臣乞製厚脊短身
劍軍頗便其用
大斧一面刃長柯近有開山靜燕日華無敵長柯
之名大抵其形一耳


手刀
棹刀
屈刀
筆刀

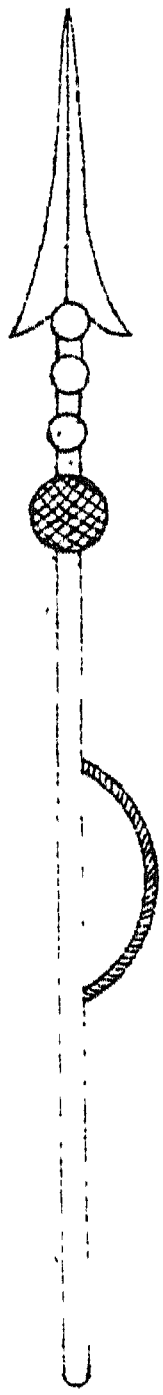
右手刀一旁刃柄短如劍棹刀刃首上濶長柄施鐏鐏鎚刀前銳後斜濶長柄施鐏其小別有筆刀此皆軍中長用其間健鬬者競為異製以自表故刀則有太平定戎朝天開山開陣劃陣偏刀軍刀七首之名棹則有兩刃山字之製要皆小異故不復出

槍九色

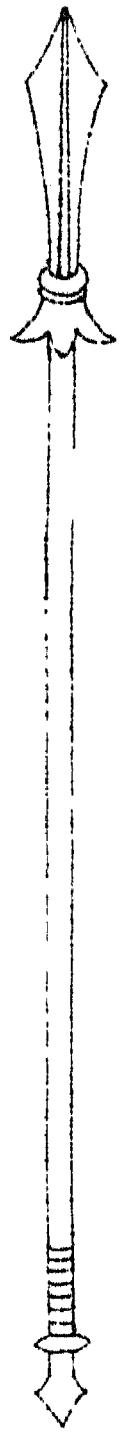
雙鈎槍



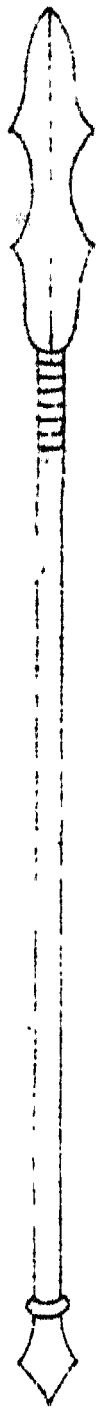
單鈎槍



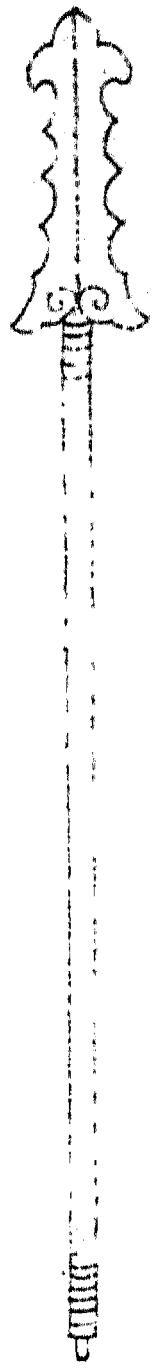
環孚槍



素木槍



鵝項槍



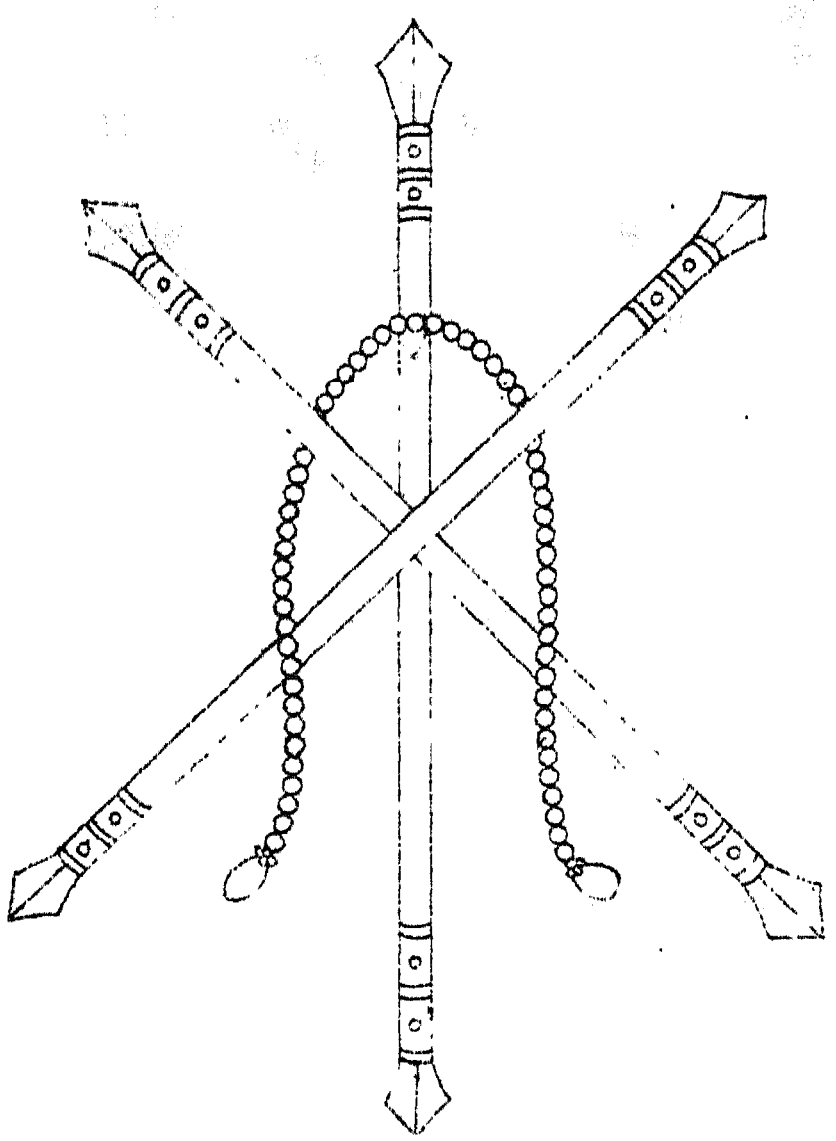
錐槍

梭槍

槌槍

大寧筆槍

拒馬木槍竹槍同



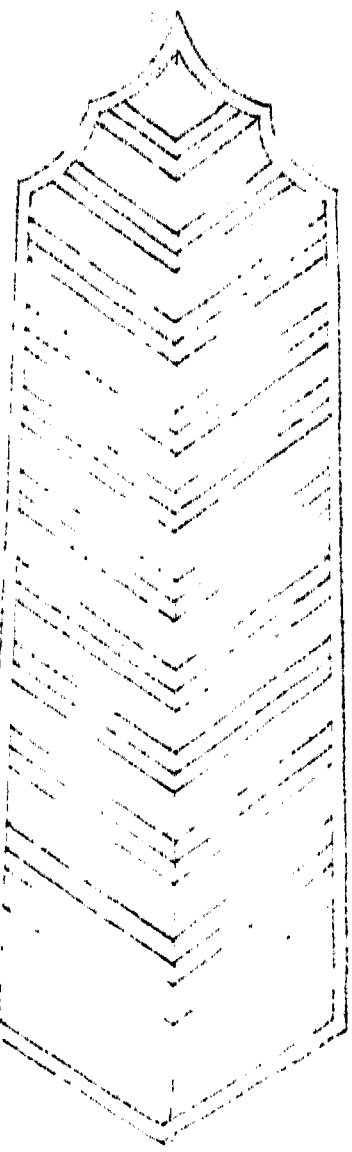
右槍九色其制木桿上刃下鐏騎兵則槍首之側施倒雙鉤倒單鉤或桿上施環步兵則直用素木或鵝項者以錫飾鐵嘴如烏項之白其小別有錐槍梭槍槌槍者其刃為四稜頗壯銳不可折形如麥穗邊人謂之麥穗槍梭槍長數尺本出南方蠻獠用之一手持旁牌一手摽以擲人數十步內中者皆踣以其如梭之擲故云梭槍亦曰飛梭槍槌槍者木為圓首教閱用之近邊臣獻大寧筆槍首

刃下數寸施小鐵盤皆有刃欲刺人不能捉搦也以狀類筆故云近有靜戎筆槍亦其小異也今不悉出

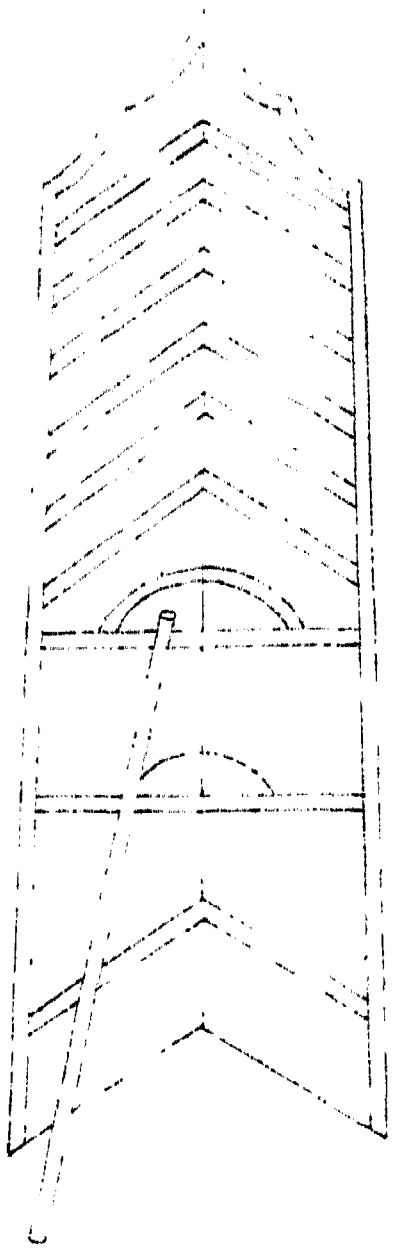
拒馬槍其制以竹若木三枝六首交竿相貫首皆有刃植地輒立貫處以鐵為索更相勾聯或布陣立營拒險塞空皆宜設之所以禦賊突騎使不得騁故曰拒馬

旁牌一種二色

正

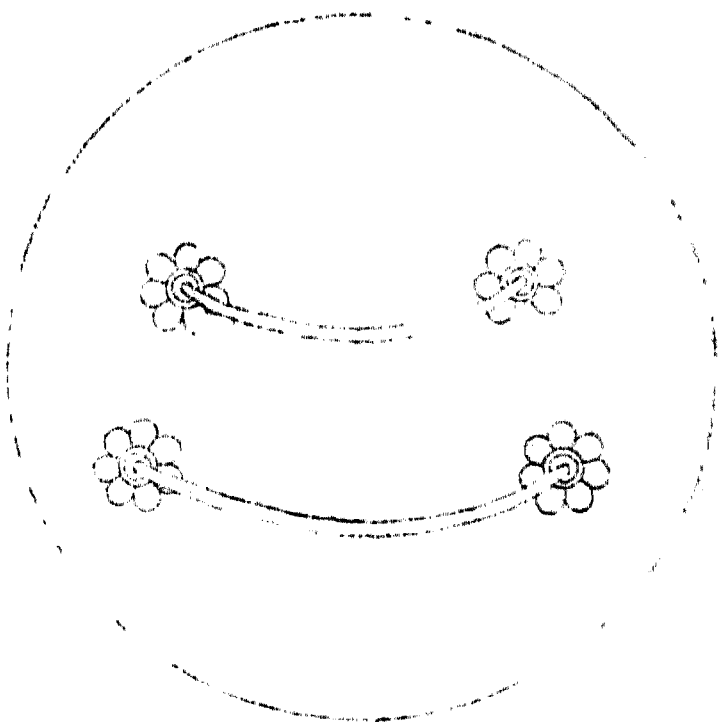


裏



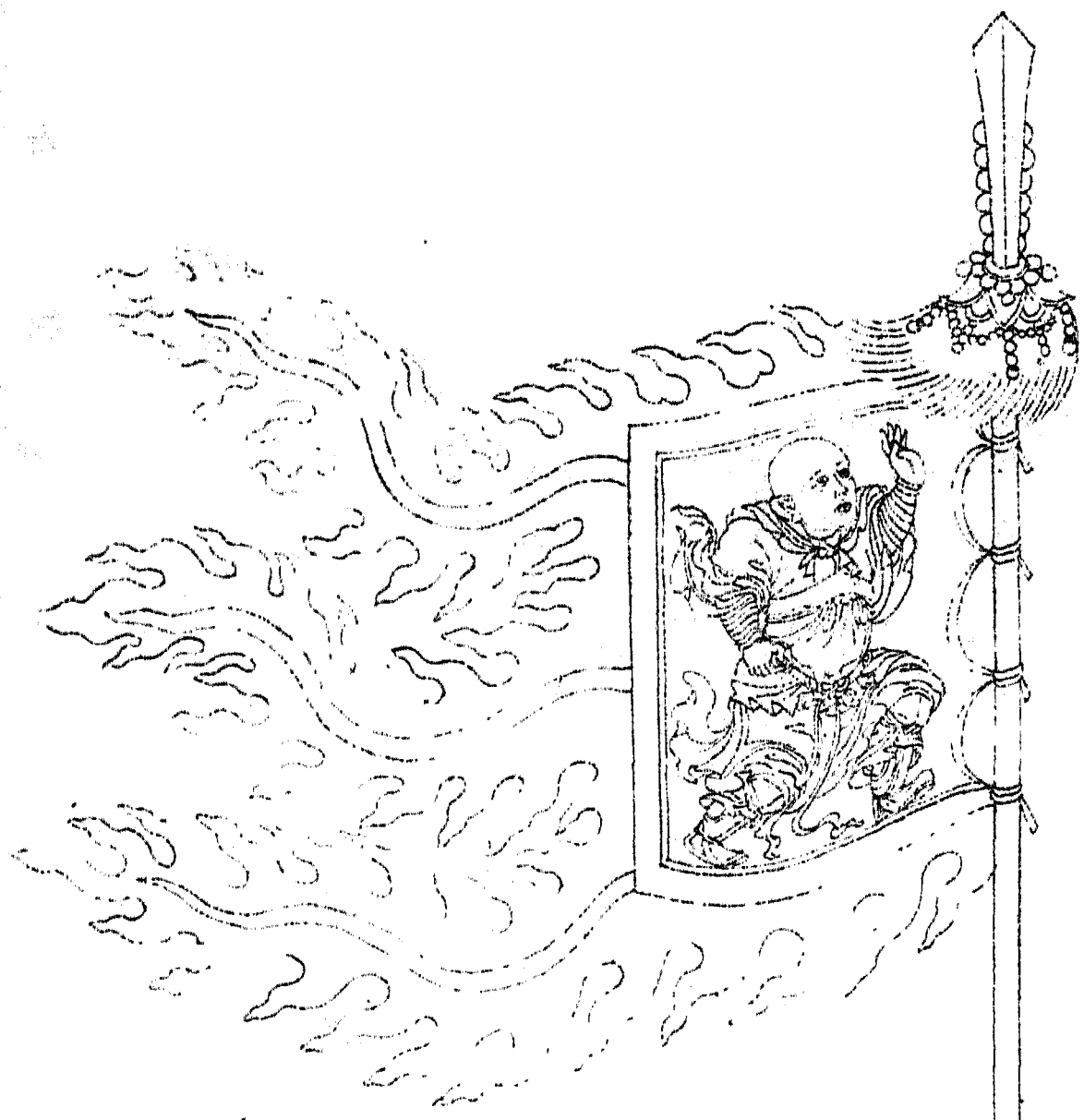
正

裏



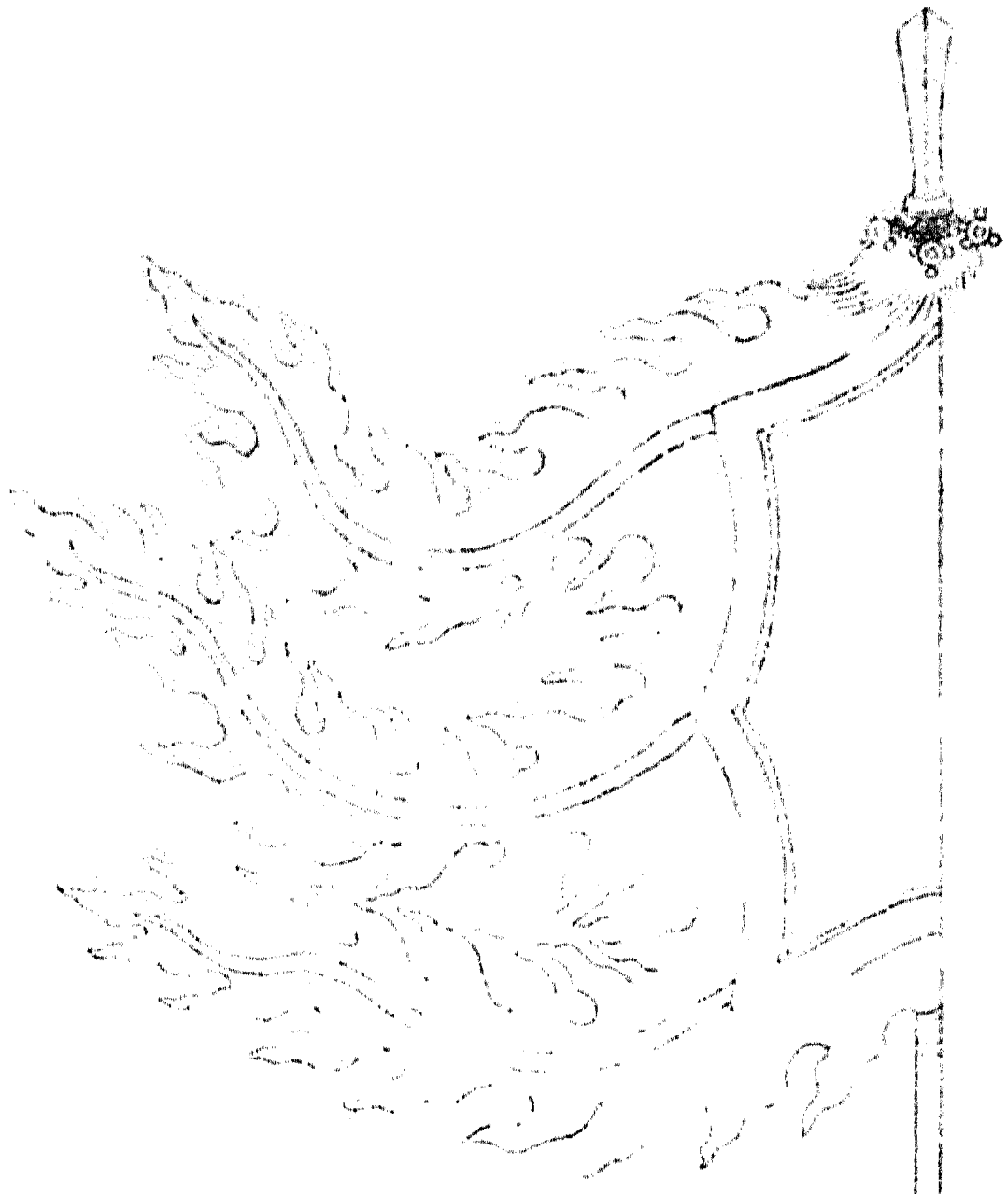
騎兵旁牌

右並以木為牘以革束而堅之步兵牌長可蔽身
內施槍木倚立於地騎牌正圓施於馬肘左臂繫
之以捍飛矢



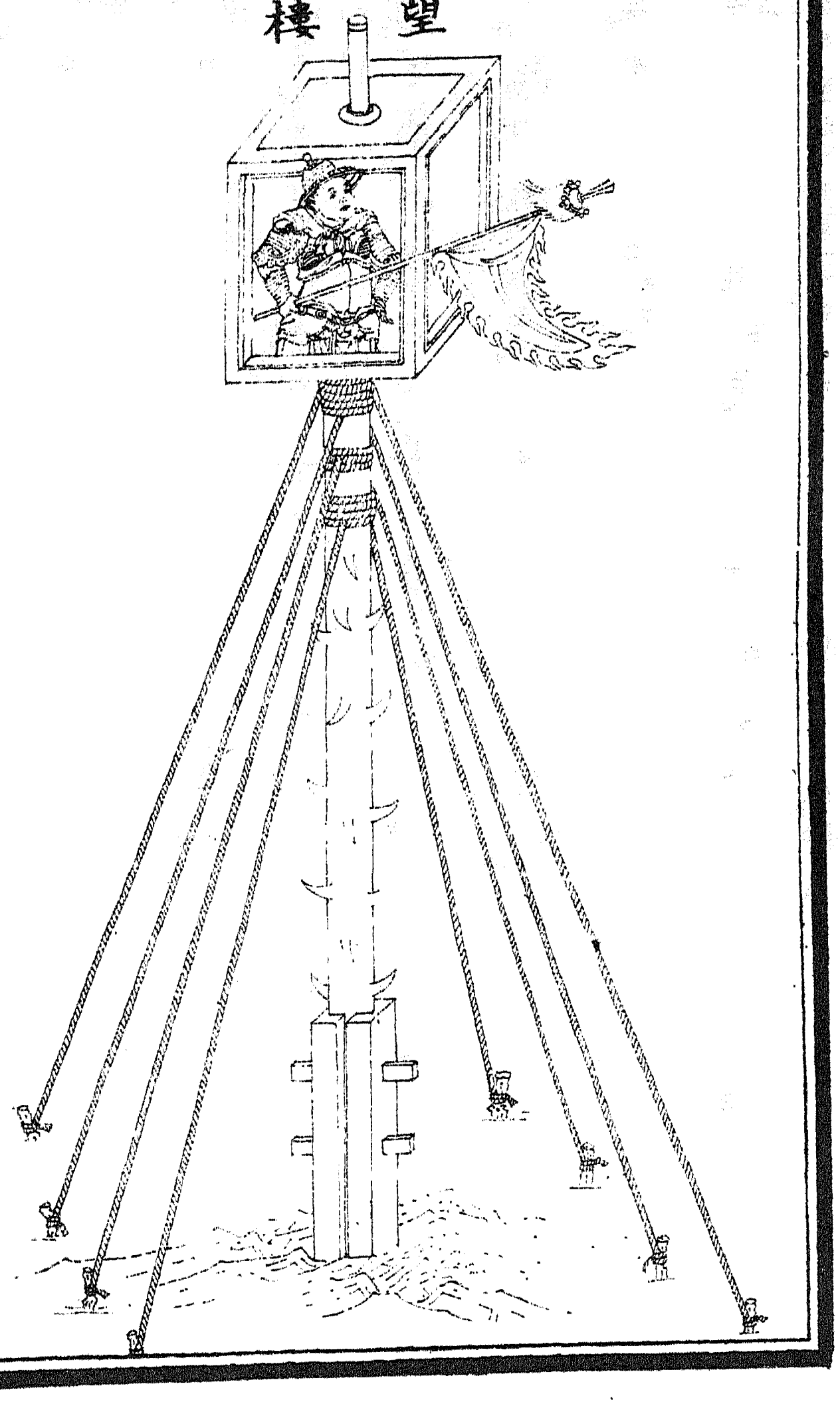
帶甲神旗

轉光雜色旗



右旗之色本名號無常隨宜呼之竿首施鐵甘謂
耀筐下注旌謂之纛旗頭旗脚或三或二

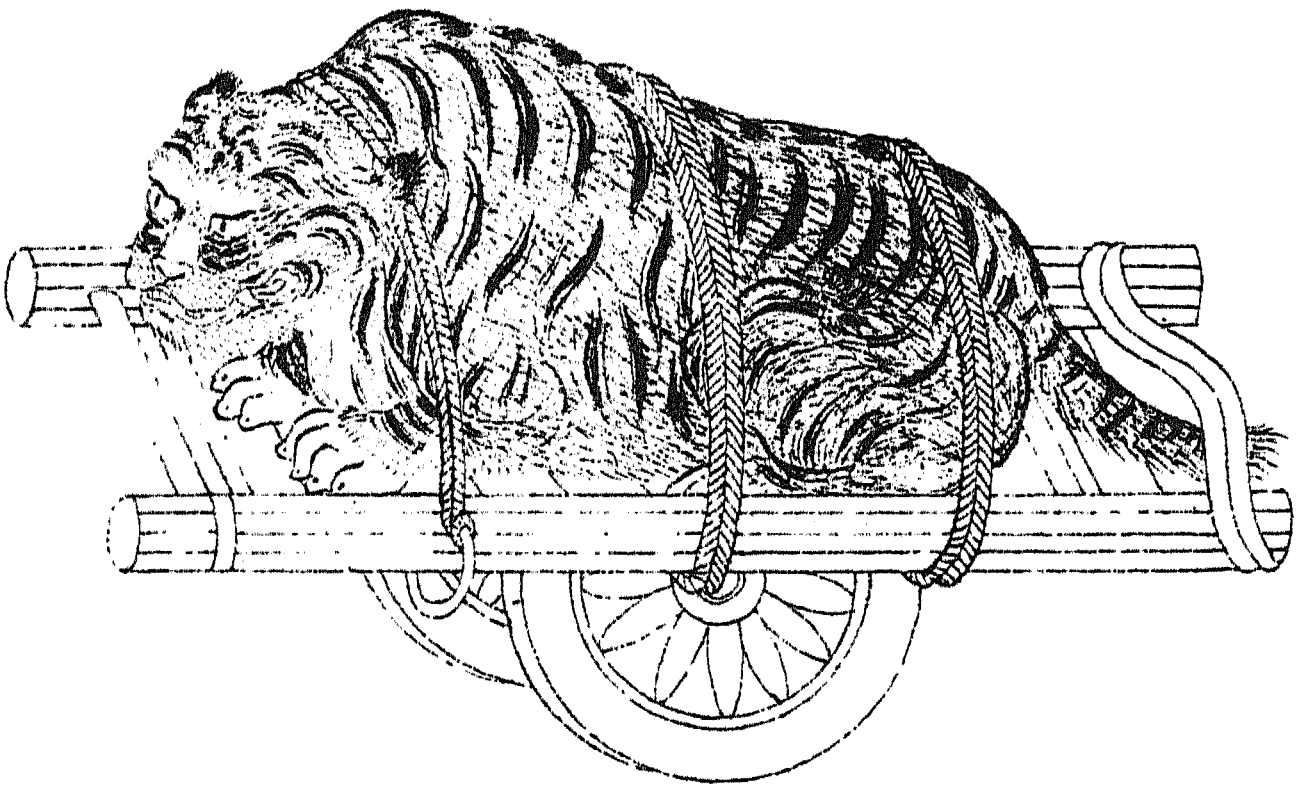
樓望



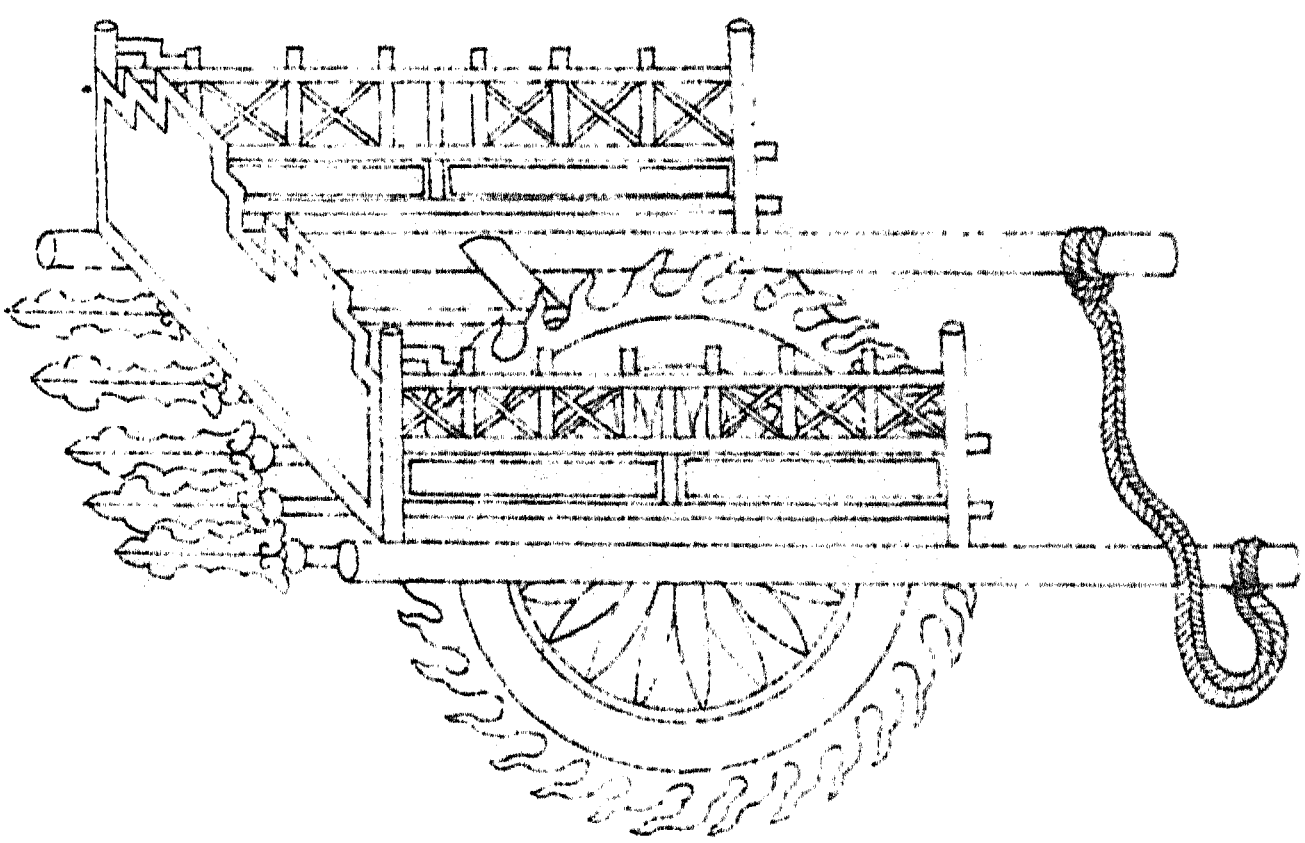
右望樓高八丈以堅木為竿木不及八丈則上施板屋方濶五尺上下開竅過木竿兩旁釘尋擧八十箇用索棚四條各一百二十尺中棚四條各一百尺下棚四條各八十尺尖鐵橛十二箇各長三尺橛端穿鐵環凡起樓用鹿頰木二各長一丈五尺深埋之入地八尺用鐵叉層竿數條更用木馬及巴木堅之如舡上建檣法其高亦有百尺百二十尺者棚索隨而增之板屋中置望子一人手執白旗以候望敵人無寇則卷來則開之旗

竿平則寇近垂則至矣寇退徐舉之寇去復卷之此軍
中備預之道也

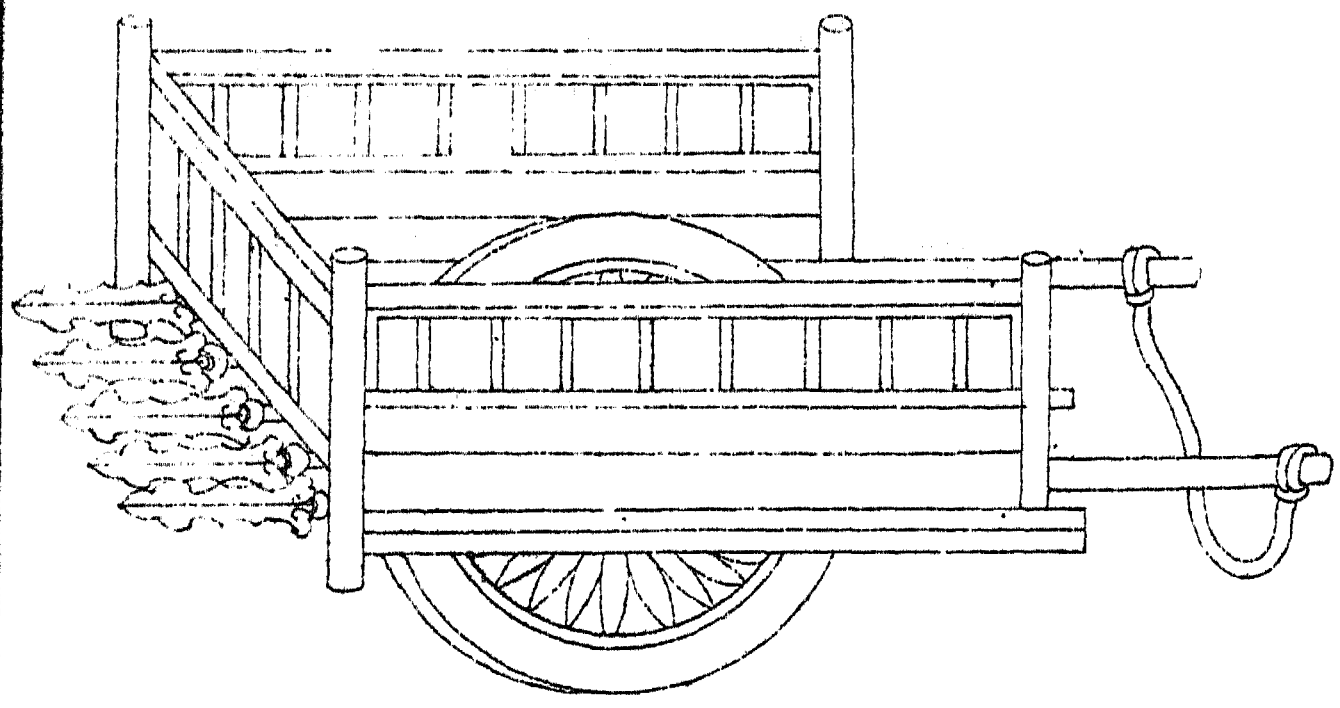
虎車



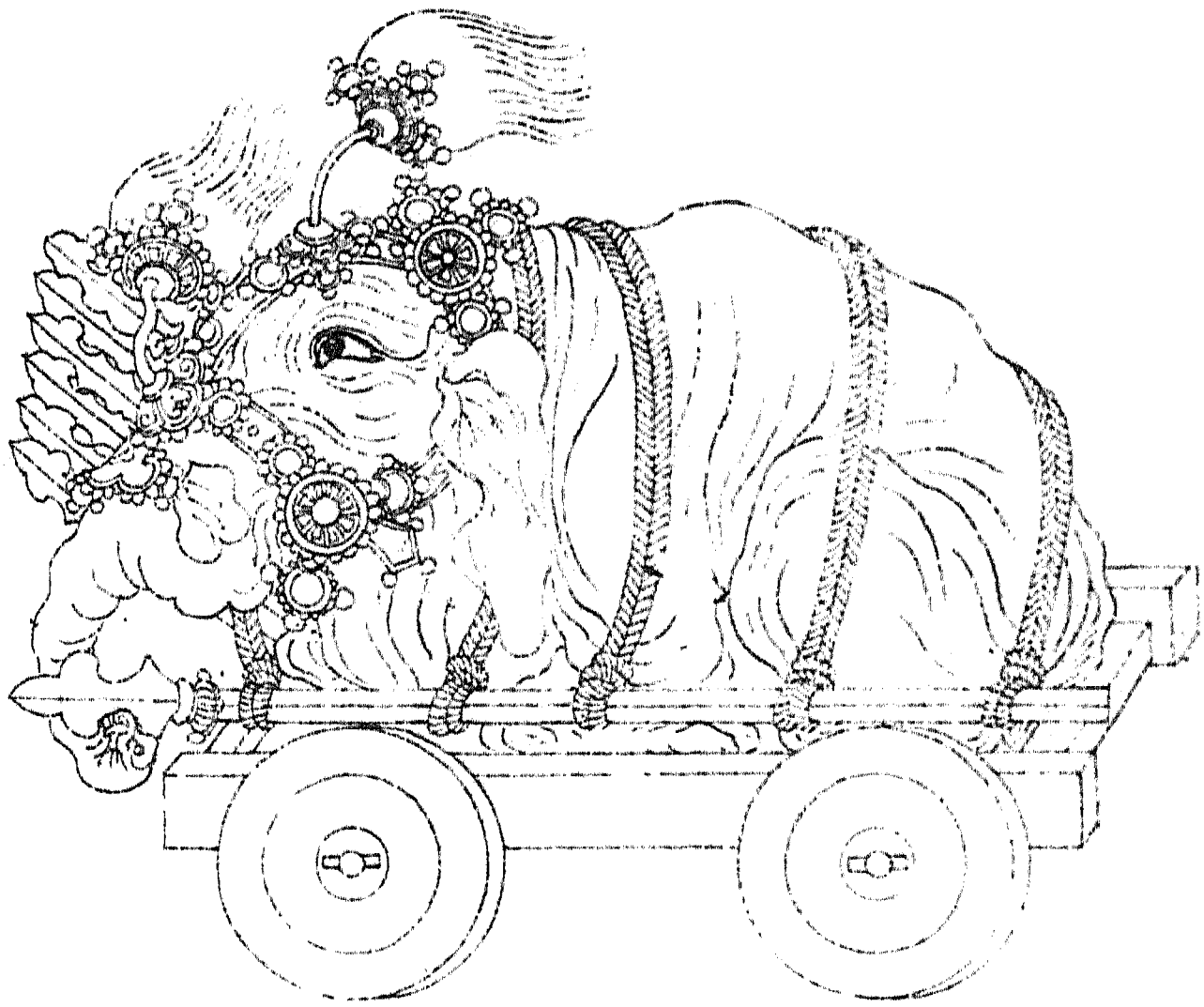
運乾糧車



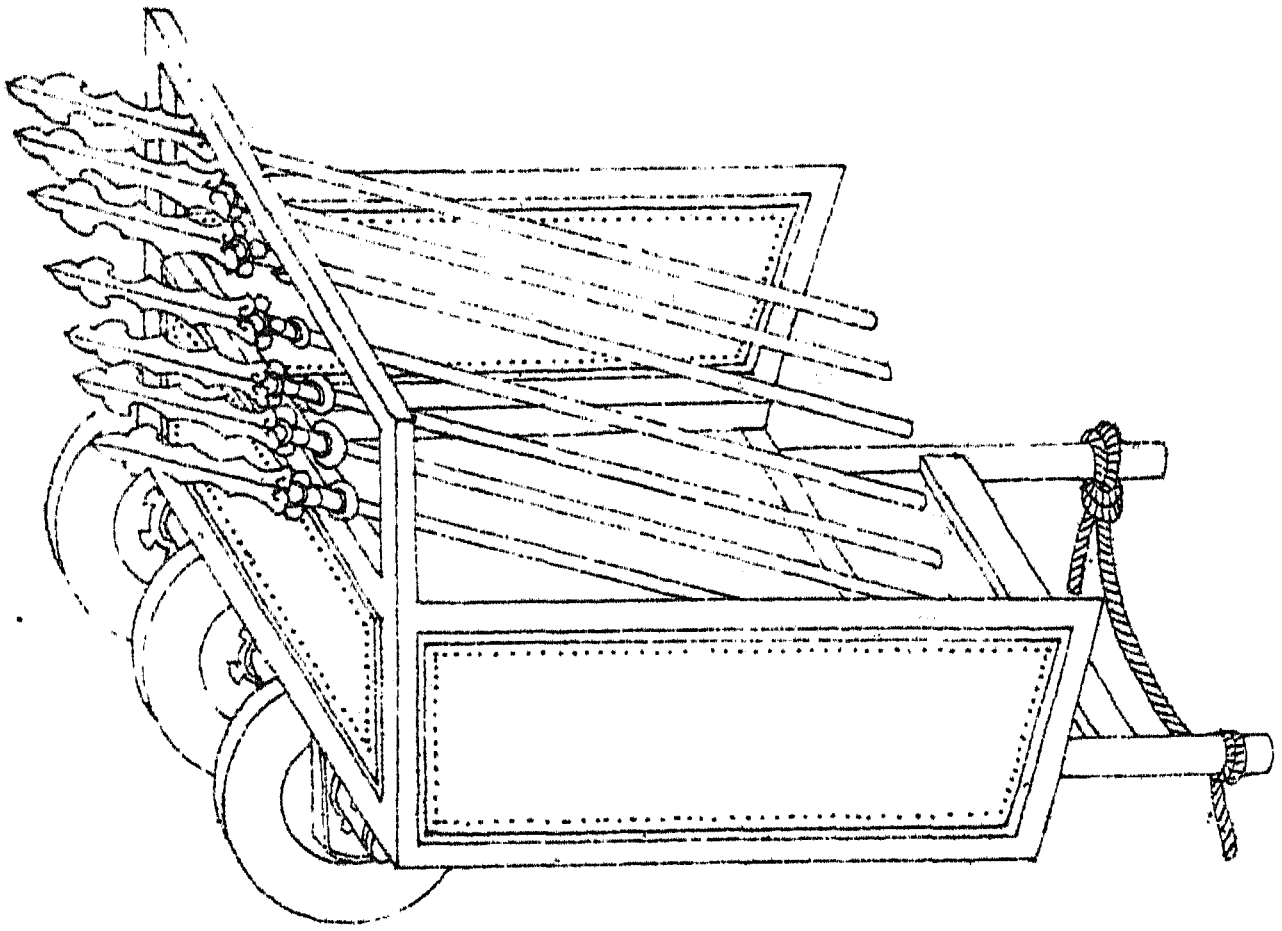
巷戰車



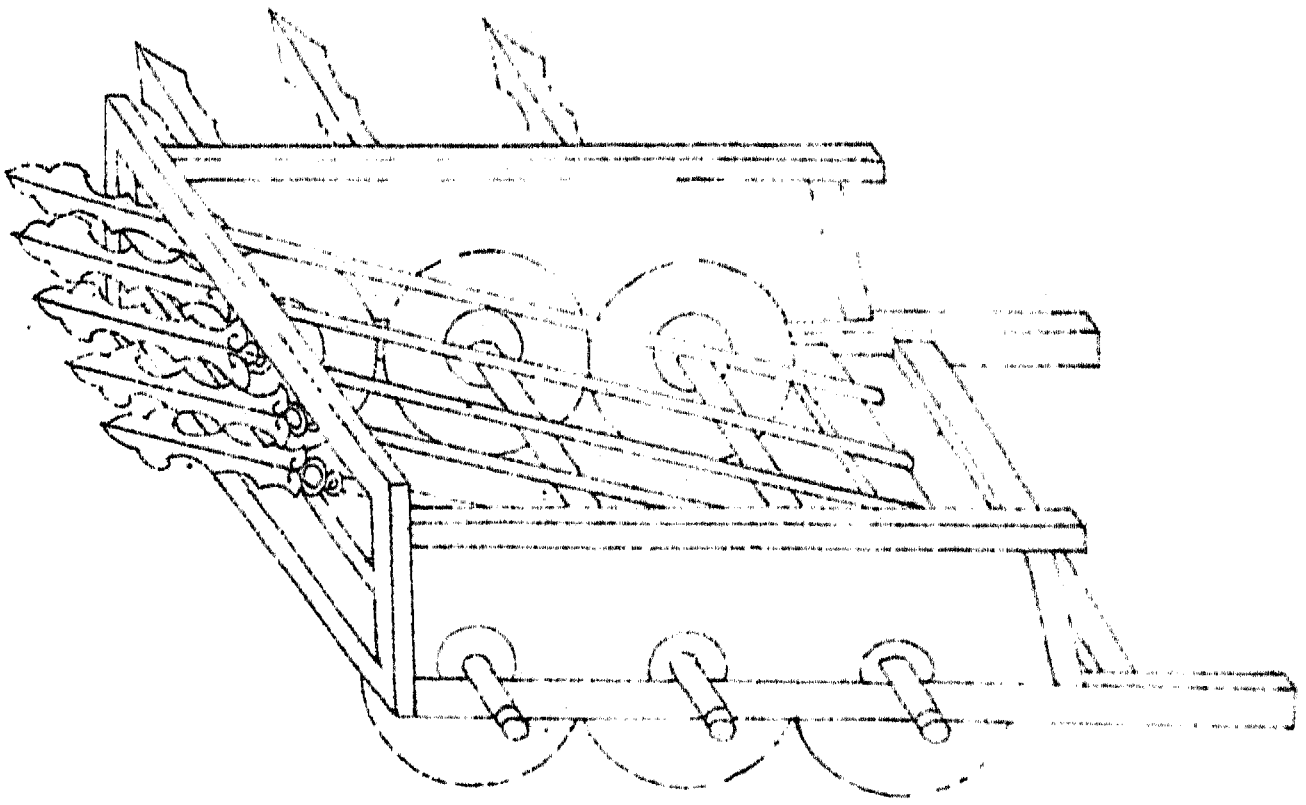
象車

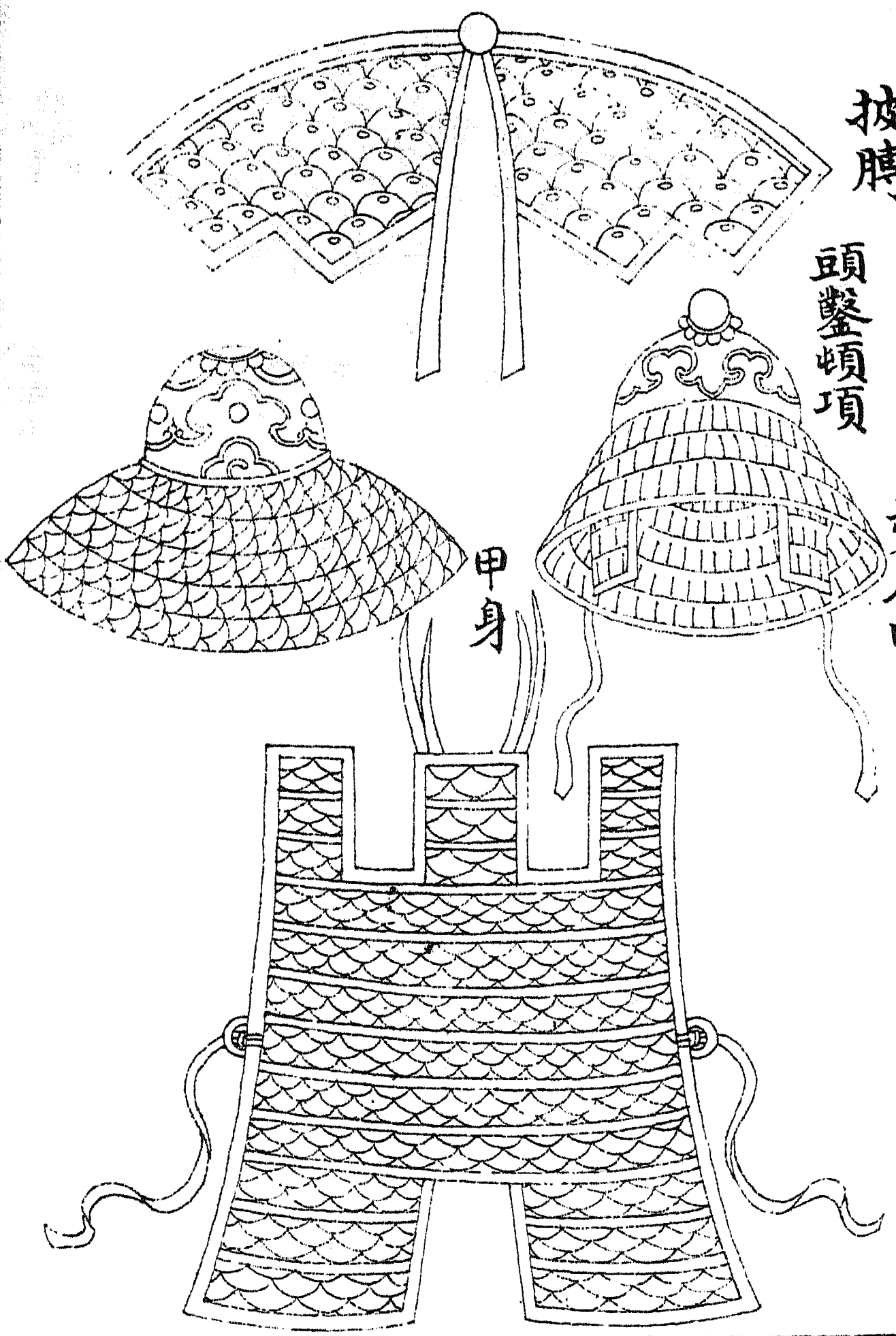


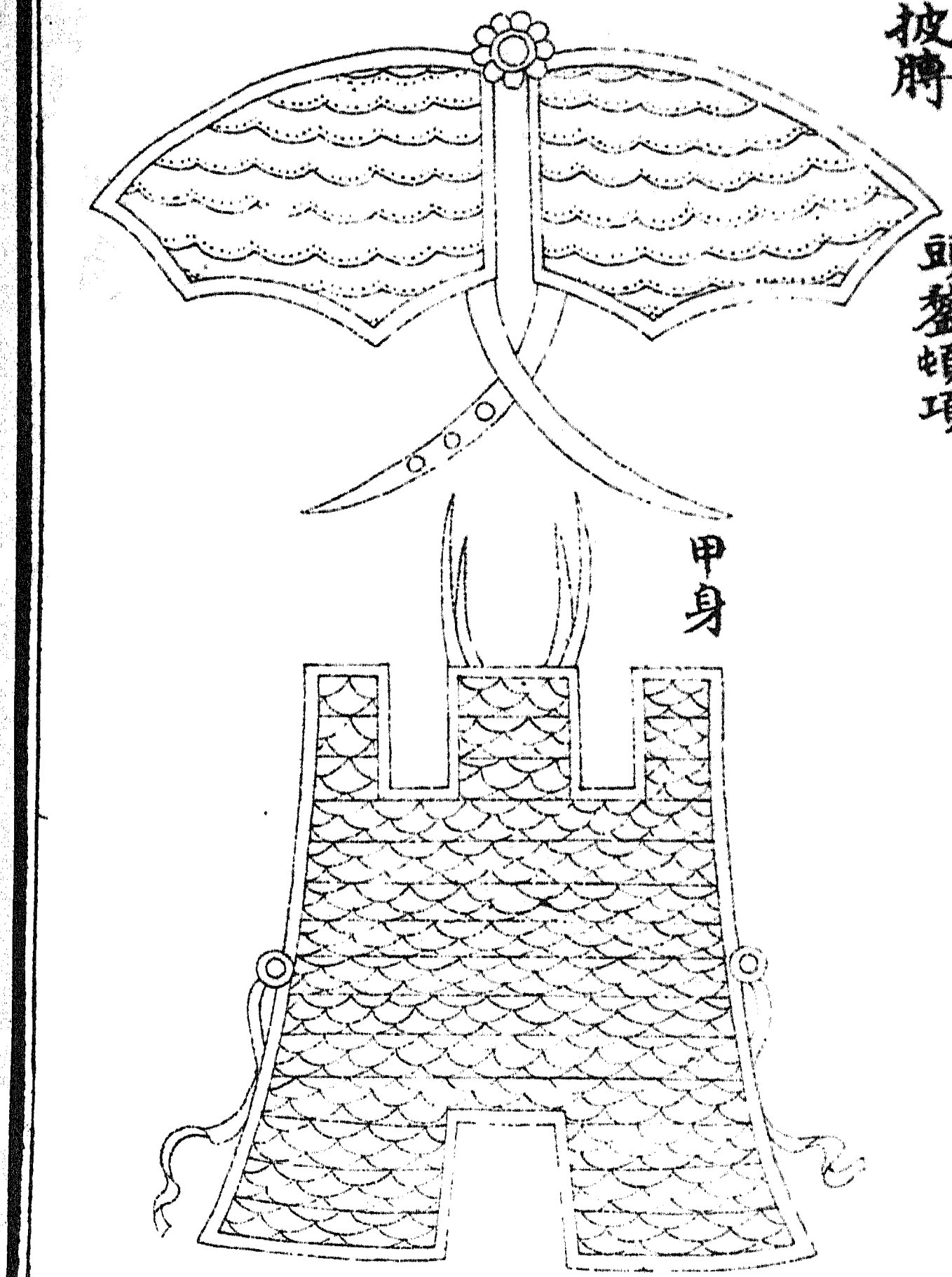
槍車

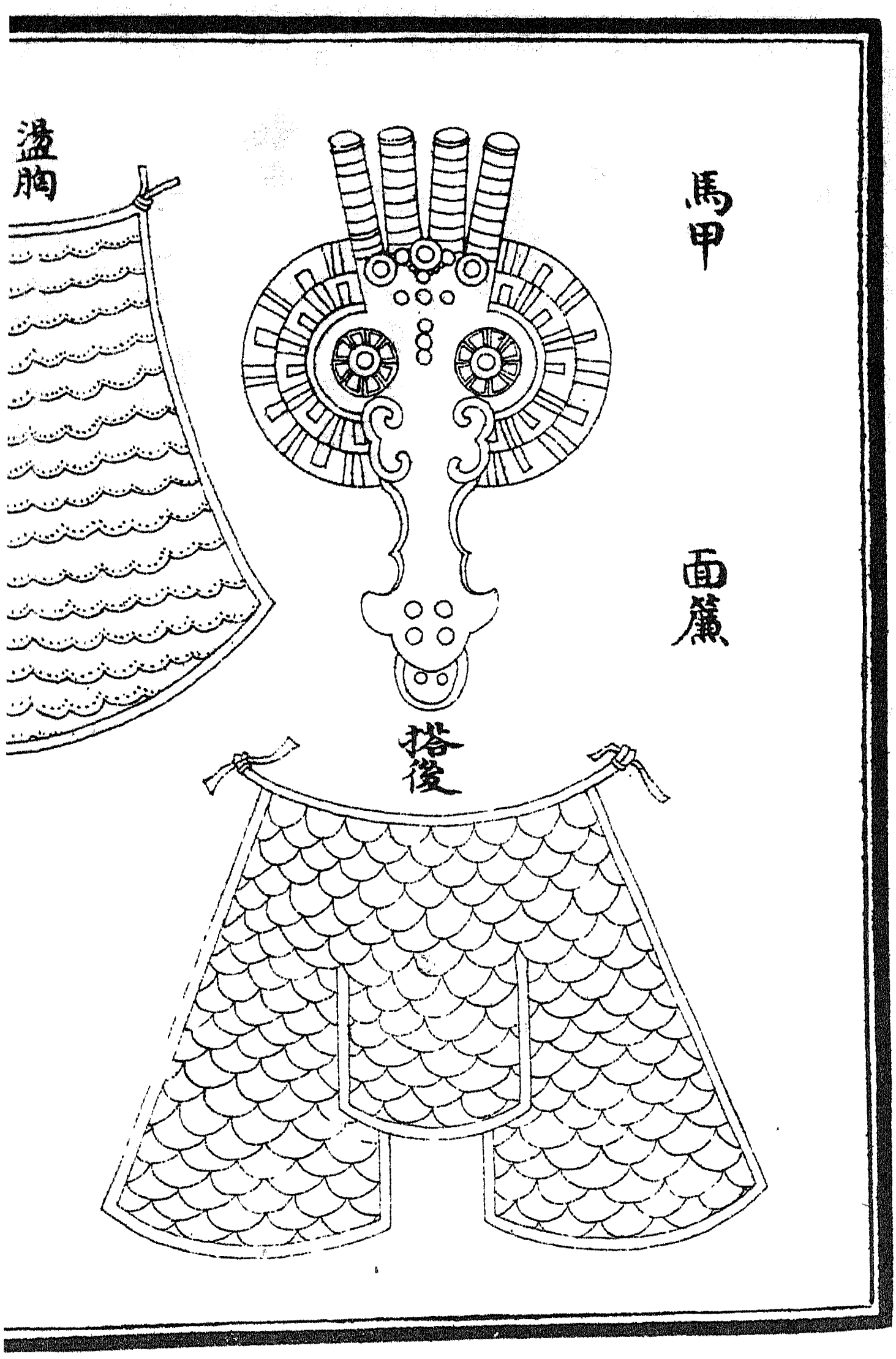


槍車

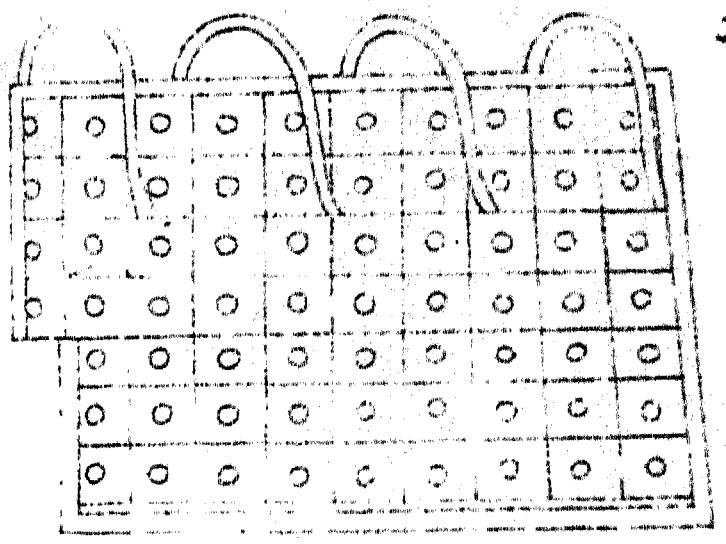


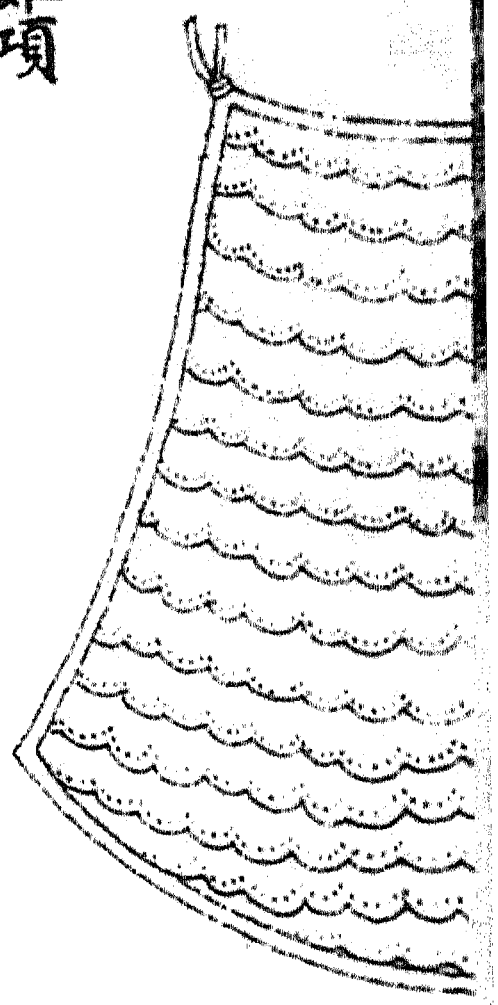

披膊
頭鍪頓項
步人甲
甲身


披膊
頭盔頓項
甲身

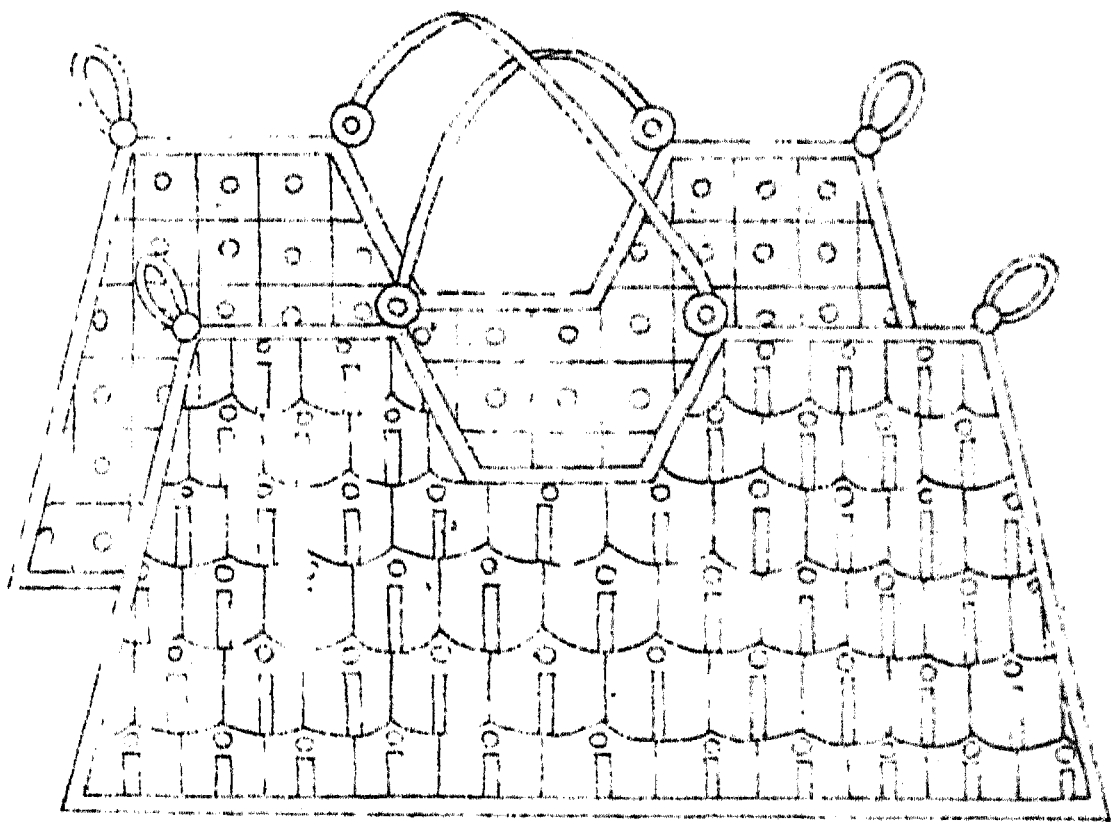

馬甲
面簾
搭後
盪胸

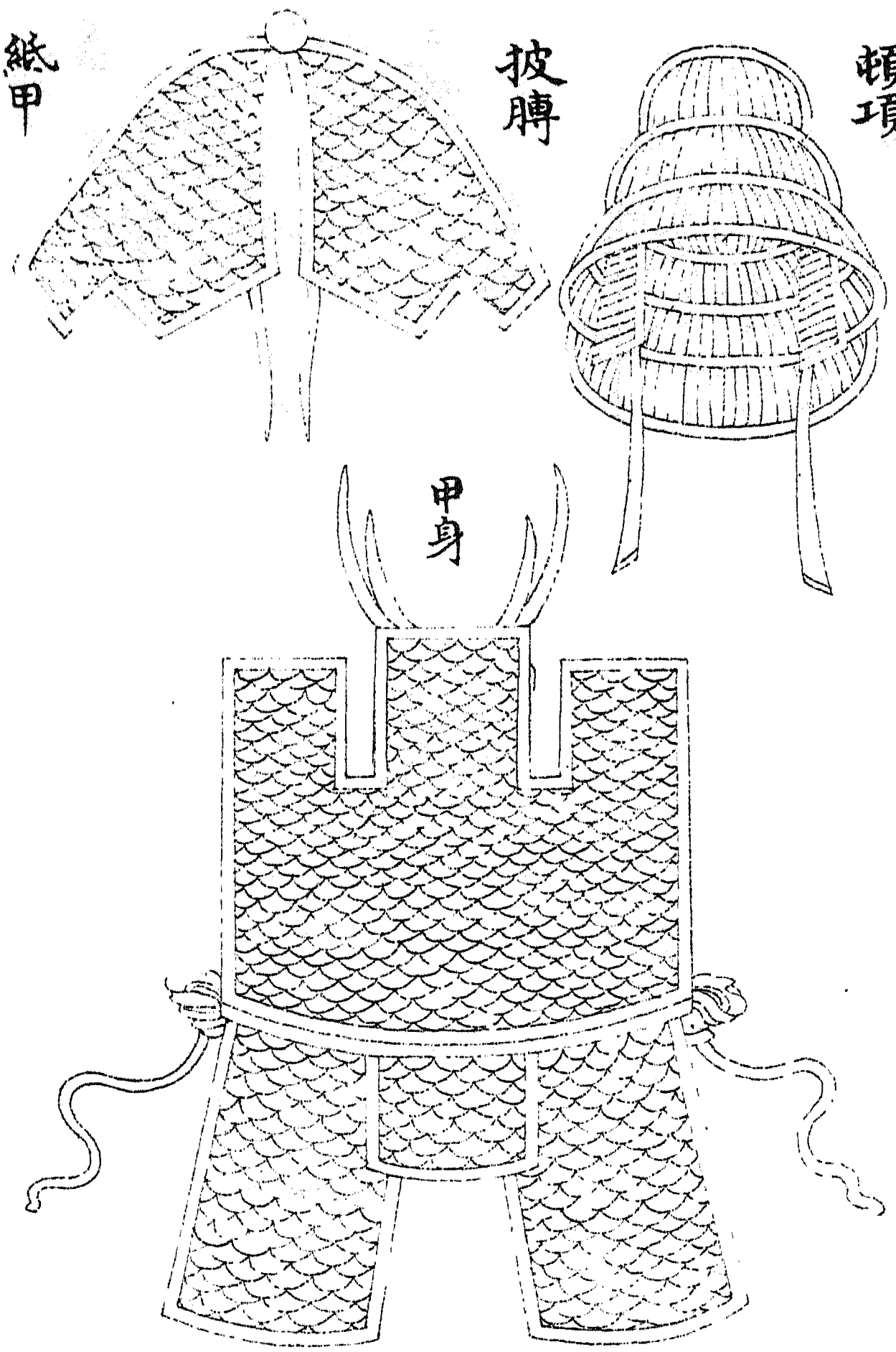
雞項



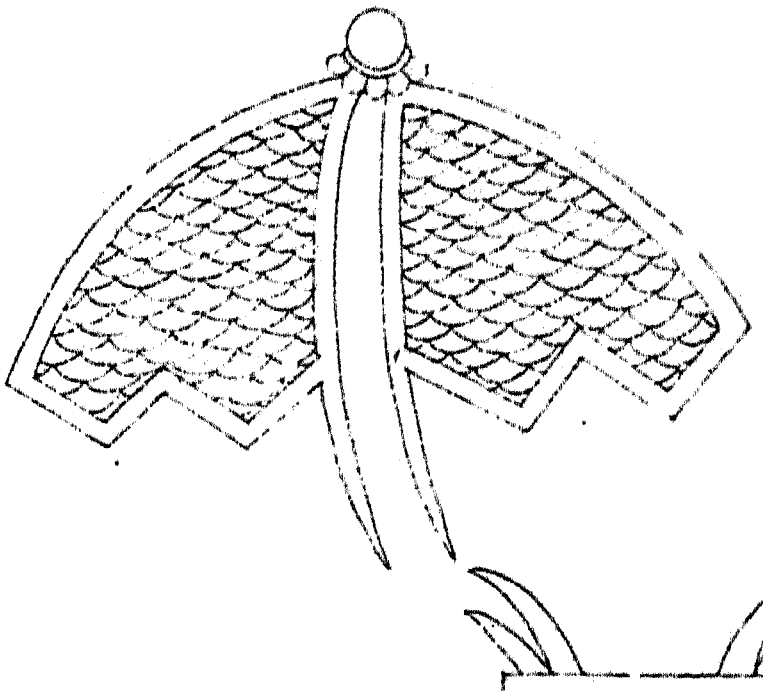


甲身

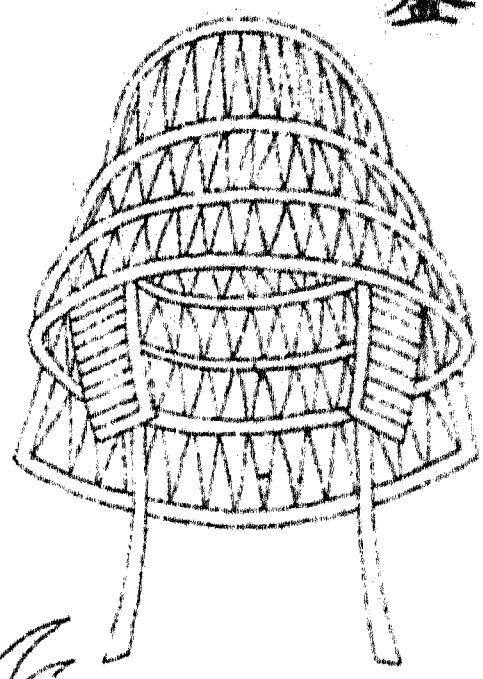



紙甲
披膊
頓項
甲身

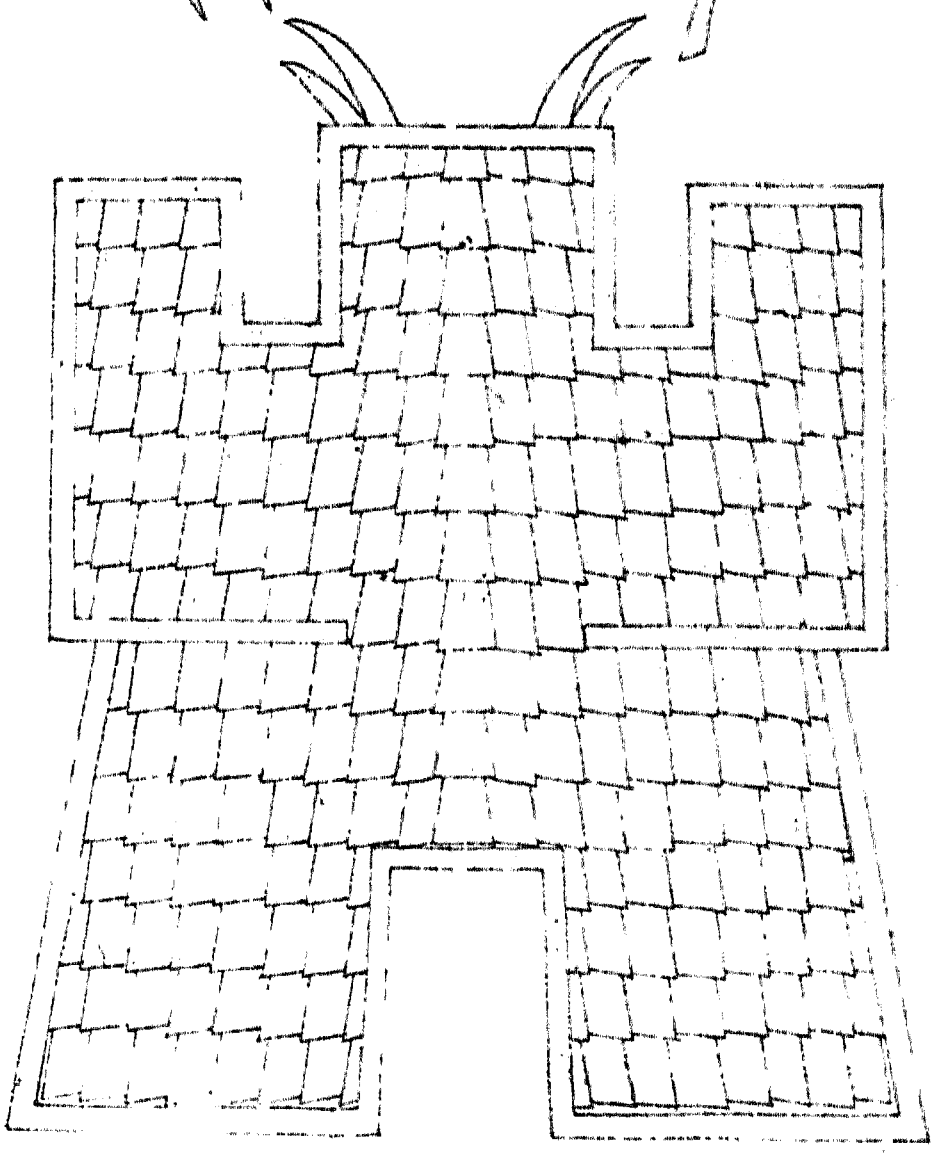
披膊



頭盔



甲身



右有鐵皮紙三等其制有甲身上鞾披膊下屬弔腿首則兜鍪頓項貴者鐵則有鎖甲次則錦繡裹馬裝則並以皮或如列鐵或如笏頭上者以銀飾次則朱漆二種而已

武經總要前集卷十三

總校官知縣臣繆　琪
校對官中書臣牛　稔文
謄錄監生臣許紹錦